# 1 : Initialization

# 2 : Establish the connection

# 3 : Main menu

# 4 : Date and time

# 5 : System administration

# 6 : Extension administration

# 7 : Trunk administration

# 8 : Terminal translation initialization

# 9 : Routing

# 1　Initialization

Thanks to its smart software, the system can be connected to different national public telephone networks.

The purpose of the initialization procedure is to adapt the system to the country in which it is to be installed. This procedure **must be carried out before any other operation**.

When first started up, the system parameters are initialized for installation in France.

The available options are:
- Australia.
- Belgium.
- Czech Republic.
- Germany.
- Hungary.
- Italy.
- Luxembourg.
- Poland.
- South Africa.
- Spain.
- Switzerland.
- The Netherlands.
- United Kingdom.

# *Initialization using a Minitel*

**Applicable to France only.**

1. Connect the Minitel VDU in parallel to an analog station (See Minitel instructions for use)
2. Switch on the Minitel
3. Dial **497** on either the analog station or Minitel keypad
   - Listen for the specific Minitel tone.
4. Press the **«Local Line»** button on the Minitel keypad
   - The system welcome screen appears:

```
                    EuroGeneris


                GENERIS500 EUROA
        Extension Capacities ..... :


          Enter your login password
          and press ENTER
```
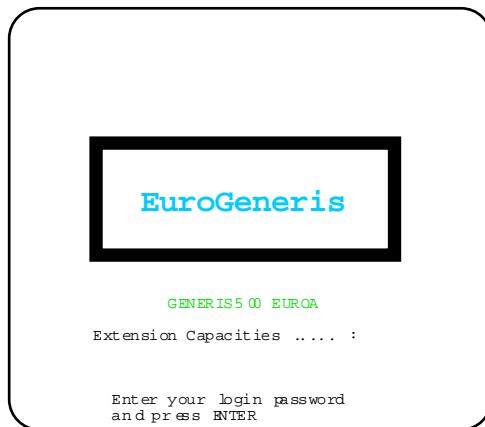
5. Press **«l0000»** (l + 4 zeros)
6. Press **«Enter»**
7. Press **«1»** then **«Enter»**
8. Press **«2»** then **«Enter»**
9. Press **«9»** then **«Enter»**

- The following screen appears:

```
                    Country code
 _____
Country code ...... : .
 FRANCE       : 0  BELGIUM          : 1
 GERMANY      : 2  THE NETHERLANDS  : 3
 LUXEMBOURG   : 4  SPAIN            : 5
 SOUTH AFRICA: 6  UNITED KINGDOM   : 7
 ITALY        : 8  POLAND           : 9
 CZECH REP.   : 10 HUNGARY          :11
 SWITZERLAND  : 12 AUSTRALIA        :13

Administration language : .
    FRENCH  : 0  ENGLISH : 1
    GERMAN  : 2  SPANISH : 3
```
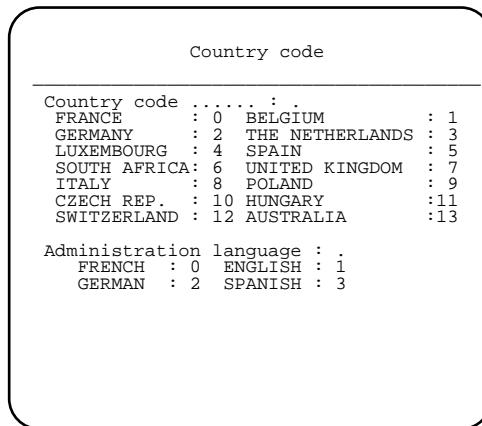
**10.** Enter the appropriate option
**11.** Press **«Enter»**
**12.** Press **«Enter»** once more
  - The system is now initialized and the connection to the system is dropped.

• • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •

# *Initialization using GENECOM*

**1.** Run the GENECOM program (see GENECOM instructions for use).

**2.** Configure the GENECOM software:
- GENERIS version
- Select serial port
- Set serial port parameters (GENERIS serial port is factory-set : Data rate 9600 - Parity none - Number of stop bits 1 - Number of bits 8).

**3.** In GENECOM main menu, select option B "Backup / Restore".

**4.** Enter the Installer's login password (I0000)
- The Backup / Restore screen appears.

**5.** Select option D "Country selection".

**6.** Select the appropriate option.
The upload is taking place. When the upload is complete, the connection to the system is dropped.

## *Using a Minitel*

**Applicable to France only.**

1. Connect the Minitel VDU in parallel to an analog station (See Minitel instructions for use)
2. Switch on the Minitel
3. Dial **497** either on the analog station or the Minitel keypad
   - Listen for the specific Minitel tone.
4. Press **«Local Line»** on the Minitel keypad
   - The system welcome screen appears:

```
                        ┌─────────────────────┐
                        │                     │
                        │    EuroGeneris      │
                        │                     │
                        └─────────────────────┘

                         GENERIS500 EUROA

               Extension Capacities ..... :


                 Enter your login password
                 And Press key ENTER
```
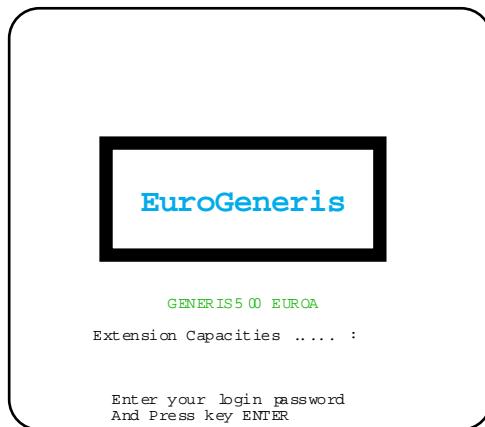
# *Using GENECOM*

**1.** Run the GENECOM program (See GENECOM user's manual)

**2.** Configure the GENECOM software:

- GENERIS version

- Select serial port

- Set serial port parameters (GENERIS serial port is factory-set : Data rate 9600 - Parity none - Number of stop bits 1 - Number of bits 8)

In GENECOM main menu, select option C "GENERIS configuration"

- The system welcome screen appears:

```
                    EuroGeneris


               GENERIS500 EUROA

        Extension Capacities ..... :


             Enter your login password
             and press ENTER
```

# Login password

For obvious security reasons, the system is password protected and a login password has to be entered to establish the connection. It is made-up of one letter (I or E) followed by 4 administrable figures. (See *Change login password*, page 11-2.)

The system takes two different login passwords :
- Ixxxx intended for the installer
- Exxxx intended for the end-user.

> **Note** : The login passwords are in the form Ixxxx and Exxxx, irrespective of the administration language.

> **Note** : The login passwords are factory-set as I0000 and E0000.

### Table 1 : System administration

| Screen header | Installer (Login password Ixxxx) | End-user (Login password Exxxx) |
|---|---|---|
| Date and time, page 4-1. | Accessible | Accessible |
| Power supply, page 5-2. | Accessible | Non Accessible |
| S0 Bus, page 5-3. | Accessible | Non Accessible |
| Number of trunks, page 5-4. | Accessible | Non Accessible |
| Serial port, page 5-5. | Accessible | Non Accessible |
| Serial port assignment, page 5-6. | Accessible | Non Accessible |
| Feature access code, page 5-8. | Accessible | Non Accessible |
| Outset of basic cabinet, page 5-10. | Accessible | Non Accessible |
| CT2 cordless administration, page 5-11. | Accessible | Accessible |
| Country code, page 5-15. | Accessible | Non Accessible |
| Administer an extension, page 6-2. | Accessible | Accessible |
| Extension group, page 6-9. | Accessible | Accessible |
| Call coverage answer group, page 6-13. | Accessible | Read only |
| Attendant console, page 6-14. | Accessible | Accessible |
| Call waiting indication, page 6-15. | Accessible | Accessible |
| Access to button assignment, page 6-16. | Accessible | Accessible |
| Administer a trunk, page 7-2. | Accessible | Accessible |
| List of trunks, page 7-6. | Accessible | Accessible |
| Terminal translation initialization, page 8-1. | Accessible | Accessible |
| Incoming call distribution, page 9-2. | Accessible | Accessible |
| Incoming trunk groups, page 9-3. | Accessible | Read only |
| Outgoing call routing, page 9-26. | Accessible | Read only |

**Table 1 : System administration**

| Screen header | Installer (Login password Ixxxx) | End-user (Login password Exxxx) |
|---|---|---|
| Outgoing assignments, page 9-28. | Accessible | Read only |
| Administer classes (COR), page 10-2. | Accessible | Read only |
| Administer time-of-day plans, page 10-5. | Accessible | Accessible |
| Change login password, page 11-2. | Accessible | Accessible |
| Delete system administration, page 11-3. | Accessible | Non Accessible |
| Administer system-wide timers, page 11-8. | Accessible | Read only |
| Configure VEGA DSS, page 11-9. | Read only | Read only |
| Configure SOLARIS DSS, page 11-10. | Accessible | Accessible |
| Remove an extension, page 11-11. | Accessible | Accessible |
| Remove a trunk, page 11-12. | Accessible | Accessible |
| Event report, page 11-13. | Accessible | Non Accessible |
| See *Dial AD number*, in the User's manual | Non Accessible | Accessible |
| See *Display/Program AD number*, in the User's manual | Non Accessible | Accessible |
| See *Print an AD list*, in the User's manual | Non Accessible | Accessible |
| See *Label fields*, in the User's manual | Non Accessible | Accessible |
| See Administer AD group, in the User's manual | Non Accessible | Accessible |
| See *Reset AD*, in the User's manual | Non Accessible | Accessible |
| See *Change charge unit*, in the User's manual | Accessible | Accessible |
| See *CDR data*, in the User's manual | Accessible | Accessible |
| See *Real-time CDR report*, in the User's manual | Accessible | Accessible |
| See *Customized CDR report*, in the User's manual | Accessible | Accessible |
| Print configuration | Accessible | Accessible |

# Extension capacity

The GAL located on the processor board determines the extension capacity.

**Table 2 : Extension capicity**

| GAL | Maximum number of extensions |
|---|---|
| none or unknown | 8 |
| GAL 16 | 16 |
| GAL 32 | 32 |
| GAL 128 | 128 |

The GAL located on the processor board must be changed to increase the capacity of the system.

## Definitions

### Total number of extensions

The total number of extensions is equal to the number of dedicated terminals (PN and PI), plus the number of S0 terminals, plus the number of analog stations, plus the number of cordless phones (CT2).

### An extension is said to be 'present'
- in the case of a dedicated (PN or PI) or S0 terminal, when the terminal is connected.
- in the case of an analog station (PS), when the analog line board is mounted.
- in the case of a cordless phone, when the phone is registered.

### An extension is said to be 'phantom'

when it is not present but nevertheless administered without hardware.

## Behaviour

The total number of extensions is equal to the number of extensions said to be 'present' plus the number of extensions said to be 'phantom'.

> **Important**: When extension numbers are 3-digit numbers (Feature access code, page 5-8.), the system will only identify 100 extensions and ignore the remaining. "Inoperative ext." will be displayed at the attendant console.

• • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •

### Installing a system not using administration without hardware

**1.** All the extensions said to be 'present' are identified within the system extension capacity.

> *Note: If the number of extensions said to be 'present' is greater than the system extension capacity, the system will only identify the first X extensions (X=maximum number of extensions.*
> *For instance: Number of extensions said to be 'present'=20, Maximum number of extensions=16. The system will identify 16 extensions and ignore the last 4.*

**2.** If the number of extensions said to be 'present' is lower than the maximum number of extensions, the number of extensions able to be administered without hardware is equal to the maximum number of extensions minus the number of extensions said to be 'present'.

> *For instance: Number of extensions said to be 'present'=20, Maximum number of extensions=32. The number of extensions able to be administered without hardware is equal to 12.*

### Installing a system using administration without hardware

**1.** All the extensions administered without hardware are identified within the system extension capacity.

> *Note: If the number of extensions adminisgtered without hardware is greater than the system extension capacity, the system will only identify the first X extensions (X=maximum number of extensions.*
> *For instance: Number of extensions adminisgtered without hardware=20, Maximum number of extensions=16. The system will identify 16 extensions and ignore the last 4.*

**2.** If the number of extensions administered without hardware is lower than the maximum number of extensions, the number of extensions said to be 'present' identified by the system is equal to the maximum number of extensions minus the number of extensions administered without hardware.

> *For instance: Number of extensions administered without hardware=20, Maximum number of extensions=32, Number of extensions said to be 'present'=10. The system will identify all the extensions.*

> *For instance: Number of extensions administered without hardware=20, Maximum number of extensions=32, Number of extensions said to be 'present'=15. The system will identify the first16 extensions said to be 'present' and ignore the last 3.*

When the maximum number of extensions is reached, you may

- either remove extensions (Remove an extension, page 11-11.)
- or subscribe to a higher system capacity.

# *EuroGeneris menu*

```
            EuroGeneris
_____

Main menu ........................ 1

Alphabetical Abbreviated Dialing .. 2

Call detail recording ............ 3

Print configuration .............. 4

Maintenance ...................... 5



Select option :                 .

```
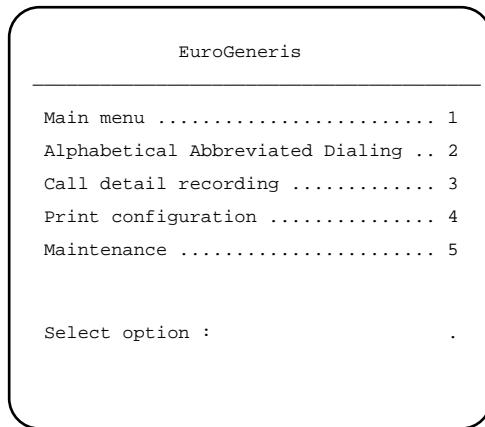
**Option 1:** See *Main menu*, page 3-1.
- Date and time, page 4-1.
- System administration, page 5-1.
- Extension administration, page 6-1.
- Trunk administration, page 7-1.
- Terminal translation initialization, page 8-1.
- Routing, page 9-1.
- Restriction, page 10-1.
- Miscellaneous, page 11-1.

**Option 2 :** See EuroGeneris user's manual.

**Option 3 :** See EuroGeneris user's manual.

# 3 Main menu

```
                    Main menu
_____

      Date and time ....................  1
      System administration ............  2
      Extension administration .........  3
      Trunk administration .............  4
      Terminal translation initialization 5
      Routing Patterns .................  6
      Data transmission ................  7
      Restriction ......................  8
      Profiles .........................  9
      Miscellaneous ....................  10



      Select option :                    ..

```
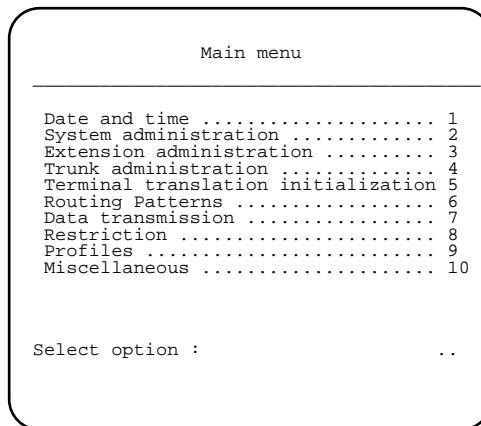
**Option 1 :** See *Date and time*, page 4-1.

**Option 2:** See *System administration*, page 5-1.
- Power supply,  page 5-2.
- S0 Bus,  page 5-3.
- Number of trunks,  page 5-4.
- Serial port,  page 5-5.
- Serial port assignment,  page 5-6.
- Feature access code,  page 5-8.
- Outset of basic cabinet to extension cabinet,  page 5-10.
- CT2 cordless administration,  page 5-11.
- Country code,  page 5-15.

**Option 3:** See *Extension administration*, page 6-1.
- Administer an extension,  page 6-2.
- Extension group,  page 6-9.
- Voice services group,  page 6-11.
- Call coverage answer group,  page 6-13.
- Attendant console,  page 6-14.
- Call waiting indication,  page 6-15.
- Access to button assignment,  page 6-16.

**Option 4:** See *Trunk administration*, page 7-1.
- Administer a trunk,  page 7-2.
- List of trunks,  page 7-6.

**Option 5:** See *Terminal translation initialization*, page 8-1.

**Option 6:** See *Routing*, page 9-1.
- Incoming call distribution,  page 9-2.
- Outgoing call routing,  page 9-26.

**Option 7:** Non Accessible.

**Option 8:** See *Restriction*, page 10-1.
- Administer classes (COR),  page 10-2.

- Administer time of day plans, page 10-5.

**Option 9:** Non Accessible.

**Option 10:** See *Miscellaneous*, page 11-1.

        - Change login password, page 11-2.
        - Delete system administration, page 11-3.
        - Administer system wide timers, page 11-8.
        - Configure VEGA DSS, page 11-9.
        - Configure SOLARIS DSS, page 11-10.
        - Remove an extension, page 11-11.
        - Remove a trunk, page 11-12.
        - Event report, page 11-13.

# Date and time

```
                        Date and time
    _____

        Current system date:

              .

        Enter new date

             dd-mm-yyyy-hh-mn
             ................
```
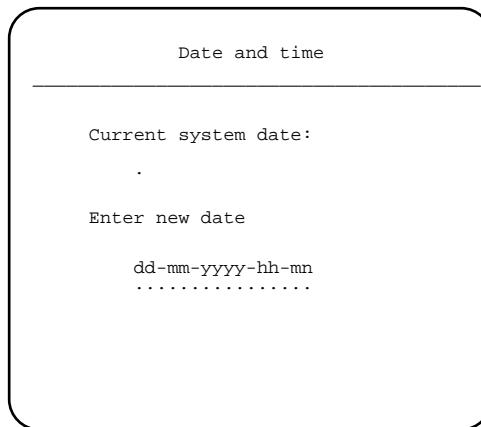
<u>Date and time</u>
Used to adjust the date and time.

Enter the following in the specified order:
- day (2 char.)
- hyphen (-)
- month (2 char)
- hyphen (-)
- year (4 char)
- hyphen (-)
- hour (2 char)
- hyphen (-)
- minutes (2 char).

The day of the week (Mon-Tue-Wed-Thu-Fri-Sat-Sun) is automatically worked out by the system.

> **Note**: The date and time are also administrable at the attendant console(s).

> **Note**: A time setback for over 2 hours has some impact on the Call Detail Recording application and a reset of the meters is recommended.

# System administration

```
╭─────────────────────────────────────────╮
│                                           │
│          System administration            │
│  _____  │
│                                           │
│  Power supply ...................... 1    │
│  S0 bus ............................ 2    │
│  Number of trunks .................. 3    │
│  Serial ports ...................... 4    │
│  Serial port assignment ............ 5    │
│  Feature access code ............... 6    │
│  Outset of basic cabinet                  │
│  to extension cabinet .............. 7    │
│  CT2 Cordless administration ....... 8    │
│  Country code ...................... 9    │
│                                           │
│                                           │
│  _____  │
│                                           │
│  Select option :                   .      │
│                                           │
│  VALIDATION          ————> Enter          │
│  PREVIOUS PAGE       ————> F4             │
│                                           │
╰─────────────────────────────────────────╯
```
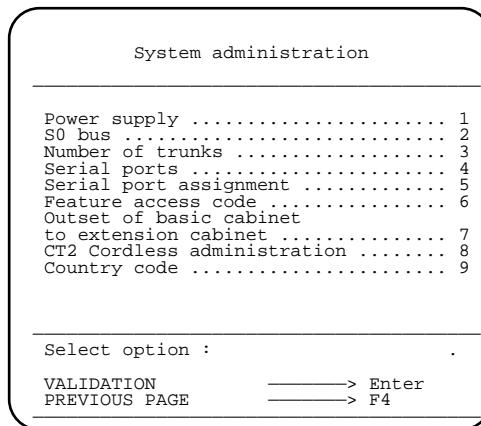
**Option 1 :** See *Power supply*, page 5-2.

**Option 2 :** See *S0 Bus*, page 5-3.

**Option 3 :** See *Number of trunks*, page 5-4.

**Option 4 :** See *Serial port*, page 5-5.

**Option 5 :** See *Serial port assignment*, page 5-6.

**Option 6 :** See *Feature access code*, page 5-8.

**Option 7 :** See *Outset of basic cabinet to extension cabinet*, page 5-10.

**Option 8 :** See *CT2 cordless administration*, page 5-11.
- Base Identification Code, page 5-12.
- Cordless phone registration, page 5-13.
- Cordless phone deregistration, page 5-14.
- Manufacturer's parameters, page 5-14.

**Option 9 :** See *Country code*, page 5-15.

# Power supply

```
                 Power supply
 _____

 Type 1 : 100 W .................. 1

 Type 2 : 200 or 250 W ........... 2

 Type 3 : 40 W ................... 3

 Select option ..................: .
 _____

 VALIDATION           ———> Enter

 PREVIOUS PAGE        ———> F4
 _____
```

Power supply
Used to define the type of power supply which is implemented.

The power supply is directly dependent on the number of terminals connected to the system.

| Type | Power supply | Number of Units of Measurement |
|:---:|:---:|:---:|
| 3 | 40 W | 1 to 16 UM[a] |
| 1 | 100 W | 17 to 40 UM |
| 2 | 250 W | 41 to 104 UM |

a. 1 Dedicated terminal = 2 UM
1 Solaris DSS = 1 Vega DSS = 4 UM
1 S0 access = 2/3 UM
1 Digital terminal = 1 UM.

*Note*: The quality of the power supply may deteriorate if the number of dedicated terminals connected to the system excceds the capacity of the power supply which is implemented. The message ''POWER OVERLOAD' will then be displayed at the attendant console(s).

*Warning*: Under overload conditions, the 40W power unit may trip. In that case, switch it off for a few minutes.

# S0 Bus

```
                    S0 Bus
 _____


  Enter port number (WXY)  ..... : 0..

   W : Cabinet number
   X : Slot number
   Y : Jack number

  Enter length option              : .
       - short   ( < 150 m ) : 0
       - long    ( > 150 m ) : 1


 _____
  VALIDATION           ———> Enter
  NEXT LINE            ———> Down
  PREVIOUS LINE        ———> Up
  PREVIOUS PAGE        ———> F4
```
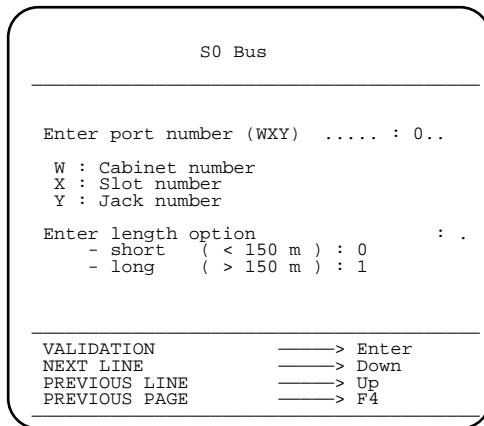
Port number
Used to select the S0 access port number for administration.

Length option
Used to define the type of bus according to the wiring implemented. See *S0 Connection*, Installation manual.
- Short bus for a «short» or «Y» wiring.
- Long bus for a «point to point» or «extended» wiring.

• • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •

# Number of trunks

```
              Number of trunks
_____


        Number of trunks : ..


         Number of trunks is at
         the most equal to ...


_____
 VALIDATION              ——> Enter
 PREVIOUS PAGE           ——> F4
```
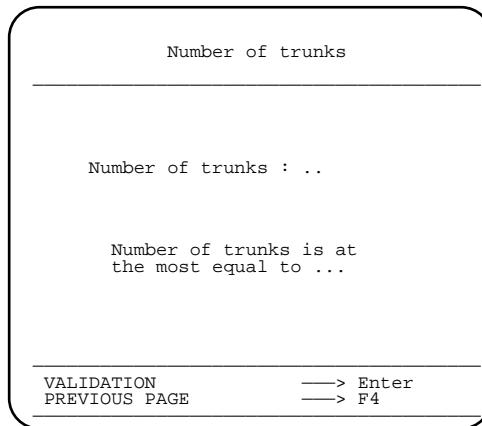
Number of trunks

Used to indicate the number of potential trunks which can be connected to the system, i.e. the number of ISDN B-channels plus the number of analog CO trunks.

> **Example 1:** *The total number of trunks is 24 when the installation includes one ISDN PRI (T2) with 20 B-channels (20 trunks) and two ISDN BRIs (T0 ) with 2 B-channels (4 trunks).*

> **Example 2:** *The total number of trunks is 32 when the installation includes one ISDN PRI (T2) with 25 B-channels (25 trunks), two ISDN BRIs (T0) with 2 B-channels (4 trunks) and three analog CO trunks.*

If the total number of the actual trunks connected to the system is less than half the declared number of potential trunks, the message «Trk non existent» is displayed at the attendant console(s).

# *Serial port*

This option is available if the system is equipped with a serial peripheral equipment board.

The system features two serial ports.

```
                Serial port .
_____

  Transmission speed .............. : .
  ( 0 = 9600 bds ; 1 = 4800 bds
    2 = 2400 bds ; 3 = 1200 bds
    4 = 300 bds )
  Parity .......................... : .
  ( 0 = even  ; 1 = odd
    2 = none )
  Number of stop bits ............. : .
  (  1 stop bit or  2 stop bits )
  Number of bits .................. : .
  (  7 bits or  8 bits )
  XON—XOFF ........................ : .
  ( 0 = inactive; 1 = active )
_____

  NEXT PORT        ———> Shift Down
  PREVIOUS PORT    ———> Shift Up
  VALIDATION       ———> Enter
  PREVIOUS PAGE    ———> F4
```
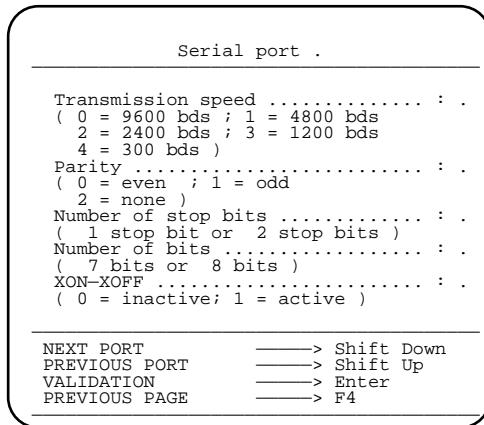
Transmission speed
Used to define the throughput of the serial port. The available settings are 9600, 4800, 2400, 1200 and 300 bauds. The factory setting is 9600 bauds.

Parity
Used to define the parity. The available settings are none, even and odd. The factory setting is none.

Number of stop bits
Used to define the number of stop bits. The available settings are 1 and 2. The factory setting is 1 stop bits.

Number of bits
Used to define the word length. The available settings are 7 and 8. The factory setting is 8 bits.

Xon_Xoff
Used to define the Xon_Xoff protocol. The available settings are inactive (0) and active (1). The factory setting is inactive.

> **Caution for serial port configuration**: Before carrying out any modifications to the standard configuration, read the peripheral equipment instructions manual.

# Serial port assignment

Serial ports can accomodate:
- a printer to print the configuration report, real-time CDR reports or directory
- a modem for remote system administration (GENECOM 2 or GENECOM1)
- a PC for:
  - local system administration (GENECOM 2 or GENECOM1)
  - recovery of the real-time CDR reports via an external call detail recording (CDR) device
  - recovery of the configuration report or directory via a communications software (e.g. Terminal in Windows).

Serial port assignment is used to define only those ports used for system output (printing reports or transmitting customized CDR overload alarm - GENECOM 2). Serial port assignment is not required for system input (local or remote administration).

```
                 Serial port assignment
  _____


  Configuration reports/Real-time CDR
  reports (Port A or B) ..............:.

  Customized CDR overload alarm ......:.
  (Port A or B)



  _____

  NEXT FIELD              ———> Down
  PREVIOUS FIELD          ———> Up
  VALIDATION              ———> Enter
  PREVIOUS PAGE           ———> F4
```
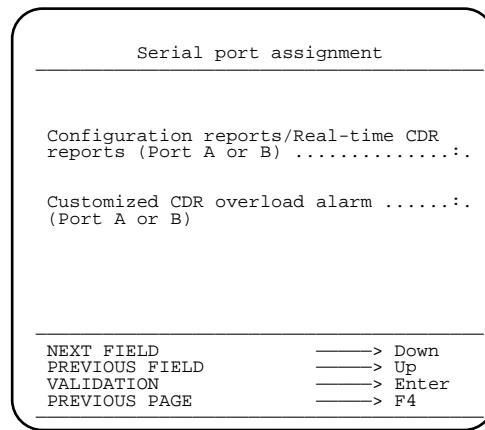
Configuration reports/Real-time CDR reports
Used to define the port used for printing the configuration report, the real-time CDR reports or the directory.

Customized CDR overload alarm
Applicable to France only.

> **Note**: GENECOM 2 is applicable to France only.

**Table 3: Configuration options**

| Port A | Port B | Parameters to be defined |
|--------|--------|--------------------------|
| Printer | - | Configuration report/Real-time reports |
| | GENECOM1 | Configuration report/Real-time reports |
| | GENECOM2 | (applicable to France only) |
| PC[a] | - | Configuration report/Real-time reports |
| | GENECOM1 | Configuration report/Real-time reports |
| | GENECOM2 | (applicable to France only) |

a.   PC for:
- local system administration (GENECOM 2 or GENECOM1)
- recovery of the real-time CDR reports via an external CDR device
- recovery of the configuration report or the directory via a communications software (e.g. Terminal in Windows).

**Table 4: Serial port priority of access**

| Request | Serial port status | | | | |
|---------|------|---------------------------------|--------------------|--------------------------|--------------------------|
| | Idle | Used for real-time CDR reports | Used for printing | Used with GENECOM1 | Used with GENECOM2 |
| Real-time CDR reports | Granted | ■ | Denied | Denied | Denied |
| Printing | Granted | Denied | ■ | Denied | Denied |
| Customized CDR overload alarm | (applicable to France only) | | | | |

*Note*: GENECOM 2 is applicable to France only.

# Feature access code

By default, extension numbers range from 300 to 399. However, the system dial plan is flexible enough to allow three or four-digit extension numbers when required (in order to match the last 3 or 4 digits of the assigned DID numbers, for instance).

```
              Feature access code
_____

ARS and Attendant codes (1 or 2) . :.
   Option 1 : Att=9 ; ARS=0
   Option 2 : Att=0 ; ARS=9

First digit
(from 1 to 8, * or #) ........... :.

Number of digits in the
extension number (3 or 4) ....... :.

System AD plan (0 or 1).......... :.
   Option 0 : Starts at 8200
   Option 1 : Starts at 8000
```
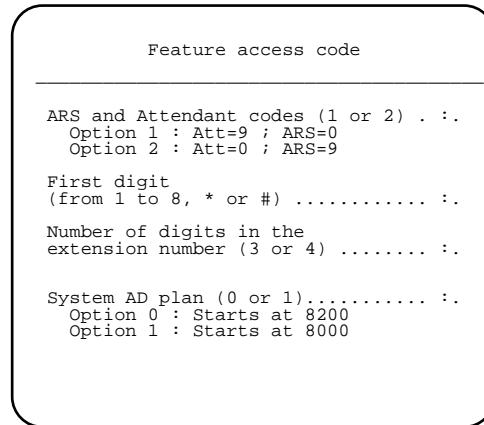
ARS and Attendant access codes
Used to select the ARS and attendant access codes.

First digit
Used to define the first digit needed to distinguish feature access codes from extension numbers when they are not in the form 3xx.

Thus, voice features are activated by dialing the first digit followed by the appropriate feature access codes except the following three:
- Common outgoing
- Attendant
- Internal call

> *Note*: When a number (from 1 to 8) has been selected as first digit, extension numbers cannot begin with that number.

Number of digits
Used to define the number of digits in the extension numbers.

> *Note*: When the system supports more than 100 extensions, the number of digits in the extension numbers is necessarily 4.

> *Example 1:* Selected first digit: 5, Number of digits: 3
> The extension numbers can range from 100 to 499 and from 600 to 899.

> *Example 2*: Selected first digit: none, Number of digits: 4
> The extension numbers range from 3000 to 3999.

> *Example 3*: Selected first digit: 7, Number of digits: 4
> The extension numbers can range from 1000 to 6999 and from 8000 to 8999.

<u>System AD plan</u>
Used to select AD numbers and memory access code.

| Feature | Option | |
|---|---|---|
| | **0** | **1** |
| System AD | 8200 to 8999 | 8000 to 8799 |
| Personal AD | 810 to 819 | 890 to 899 |
| Memory | 80 | 88 |

> ***Note***: *Selecting new AD numbers do not change the telephone numbers stored. For instance, the telephone number stored in AD number 8200 will be found in AD number 8000 and the one stored in AD number 810 will be found in AD number 890 and vice versa.*

> ***Warning***: *VEGA DSS configuration nb 2 and SOLARIS DSS configurations nb 7-9 will have to be modified manually at the respective terminals.*

# Outset of basic cabinet to extension cabinet

The aim is to outset time slots of TDM bus 0 into an extension cabinet in order to use them for analog boards. (This operation is done to shift the management of all the analog boards as well as the numbering of analog ports from the basic cabinet to an extension cabinet).

```
            Outset of basic cabinet

             to extension cabinet
    _____



    Validate outset .......... (Y/N): .


    Warning,
      1 : Switch off the system
      2 : Rearrange the boards accordingly
      3 : Switch the system on again



    _____
    VALIDATION            ———> Enter
    PREVIOUS PAGE         ———> F4
```
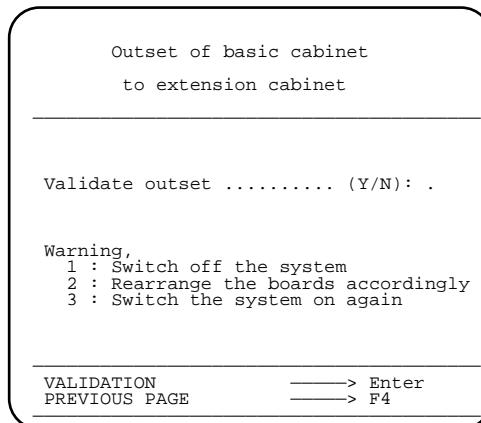
This operation enables to obtain the upmost capacity for a system accommodating an ISDN PRI board. See Installation manual, *System capacity*.

Validate outset
Used to validate the outset of the basic cabinet to an extension cabinet.

> **Note:** For administration purposes, the outset cabinet is referred to as W=3 and port numbers run from 310 to 383.

# CT2 cordless administration

*Note:* This page is accessible if at least one base station is connected to the system..

```
        CT2 Cordless administration
   _____


   Base identification code ........... 1

   Cordless phone registration ........ 2

   Cordless phone deregistration ...... 3

   Manufacturer's parameters .......... 4



   _____
   Select option :                    .

   VALIDATION            ————> Enter
   PREVIOUS PAGE         ————> F4
```
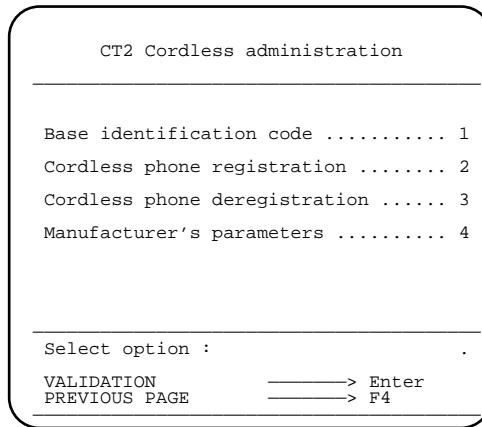
**Option 1 :** See *Base Identification Code*, page 5-12.

**Option 2 :** See *Cordless phone registration*, page 5-13.

**Option 3 :** See *Cordless phone deregistration*, page 5-14.

**Option 4 :** See *Manufacturer's parameters*, page 5-14.

# Base Identification Code

The Base IDentification code (BID) enables the system to identify cordless phones.

The BID may be modified when radio interference occurs from nearby private cordless networks (Domestic CT2 base station or CT2 PBX).

```
            Base identification code
 _____


  Current BID.................... : ....

  Enter new BID ................. : ....

    Included between
    0401 and FFFE
    (hexadecimal value).
  Warning :
  After modifying the BID :
  1. Delete the BID on all the cordless
     phones,
  2. Register all the cordless phones
     on the PXB.
 _____

  VALIDATION            ————> Enter
  PREVIOUS PAGE         ————> F4
```
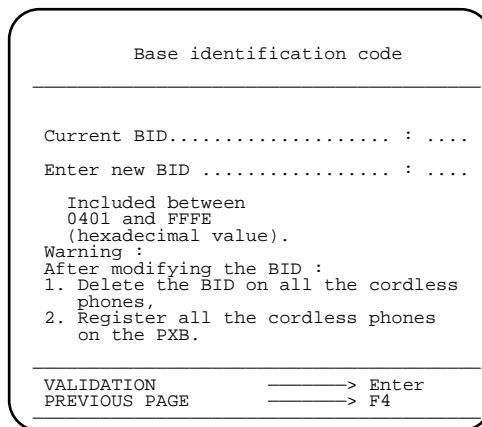
Base Identification Code
Used to enter a new BID.

> *Note*: When the BID is modified, the cordless phones have to be registered again.

# Cordless phone registration

This page is used to initiate the cordless phone registration procedure.

```
          Cordless phone registration
     ────────────────────────────────────
     List of the phones to be registered
      Ext nb      Name          Code
      ...      ............     ....




     ────────────────────────────────────
     Warning :
     The above cordless phones have to be
     registered within the next 15 minutes.
     ────────────────────────────────────
     DISPLAY          ───────> Down/Up
     UPDATE           ───────> Enter
     PREVIOUS PAGE    ───────> F4
     ────────────────────────────────────
```

Extension number

Cordless phone extension number. (See *Administration without hardware*,
page 6-2.)

Name

Name of cordless phone user. (See *Administration without hardware*,
page 6-2.)

Code

Personal code generated by the system, which must be given to cordless phone
owners to enable them to carry out the registration procedure.

*Note: Registered cordless phones do not appear on this page.*

## Registration procedure for cordless phones

**1.** Enter the registration sequence given in the cordless phone user's manual.
- The programming tone can be heard and the message «Code : xxxx» may
be displayed.
**2.** Enter the personal code which has been allocated to you.
- If the code is correct: the programming tone can be heard and the mes-
sage «Reg. ok» may be displayed.
- If the code is incorrect, a series of 3 beeps can be heard and personal
code must be reentered.

*Note: After 3 unsuccessful attempts, repeat the registration procedure from the beginning.*

**3.** Hang up.
The cordless phone is registered onto the system.

# Cordless phone deregistration

When a cordless phone is deregistered from the system, it can no longer be used, but the extension administration is saved. (See *Administer an extension*, page 6-3.)

# Manufacturer's parameters

Modification of these parameters is subject to the manufacturer's approval.

# *Country code*

```
                 Country code
 _____
 Country code ...... : .
   FRANCE      : 0  BELGIUM          : 1
   GERMANY     : 2  THE NETHERLANDS  : 3
   LUXEMBOURG  : 4  SPAIN            : 5
   SOUTH AFRICA: 6  UNITED KINGDOM   : 7
   ITALY       : 8  POLAND           : 9
   CZECH REP.  : 10 HUNGARY          :11
   SWITZERLAND : 12 AUSTRALIA        :13

 Administration language : .
    FRENCH  : 0  ENGLISH : 1
    GERMAN  : 2  SPANISH : 3
```
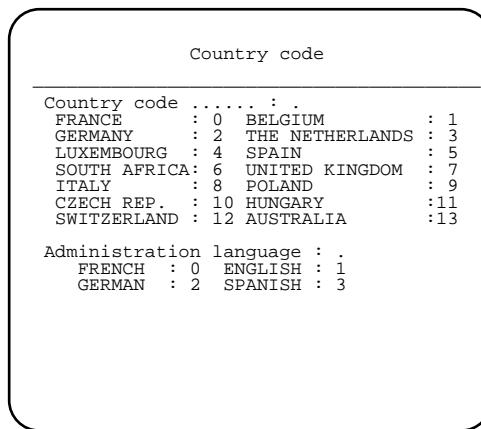
Country code

Used to indicate the country in which the system is installed. The system being factory-set for operation in France, it has to be hardware configured and administered for operation in each supported country.

The related parameters are initialized according to the location:

- Display language.
- Administration language.

*Warning: Any attempt to modify these parameters will lead to system reinitialization.*

**Table 5: Parameters related to country code**

| Country | Display language | Administration language | Currency | Charge unit | Emergency numbers |
|---|---|---|---|---|---|
| France | French | French | Frs | 1,000 | 17/18/15 |
| Belgium | French | French | BEF | 1,000 | 101/100/112 |
| Germany | German | German | DEM | 1,000 | 110/112 |
| The Netherlands | Dutch | English | NLG | 1,000 | 06-11/112/115 |
| Luxembourg | French | French | | | 112/113 |
| Spain | Spanish | Spanish | PTS | 7,500 | 091/080/061/092 |
| South Africa | English | English | ZAR | 1,000 | |
| United Kingdom | English | English | GBP | 1,000 | 112/999 |

**Table 5: Parameters related to country code**

| Country | Display language | Administration language | Currency | Charge unit | Emergency numbers |
|---|---|---|---|---|---|
| Switzerland | French | English | CHF | 1,000 | 117/118/144 |
| Poland | English | English | PLZ | 1,000 | 999/998 |
| Czech Rep. | English | English | CSK | 1,000 | 158/150/155 |
| Hungary | English | English | HUF | 1,000 | 07/05/04 |

<u>Administration language</u>
Used to define the language used for system administration.

# 6 Extension administration

```
┌─────────────────────────────────────────────────────┐
│                                                      │
│           Extension administration                   │
│      _____         │
│                                                      │
│                                                      │
│     Administer an extension ........ 1               │
│     Extension group ................ 2               │
│     Voice services group ........... 3               │
│     Call coverage answer group ..... 4               │
│     Attendant console .............. 5               │
│     Call waiting indication ........ 6               │
│     Access to button assignment .... 7               │
│                                                      │
│                                                      │
│                                                      │
│                                                      │
│     Select option :                    .             │
│                                                      │
│                                                      │
└─────────────────────────────────────────────────────┘
```
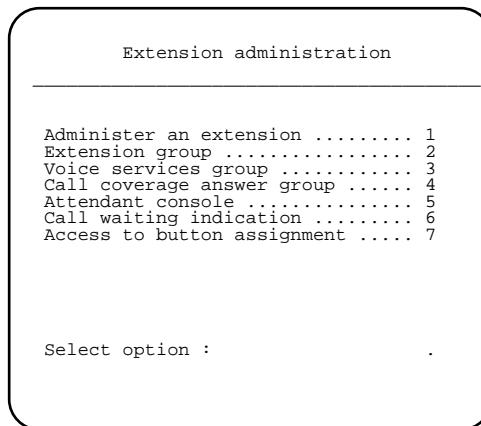
**Option 1 :** See *Administer an extension*, page 6-2.
- Administration without hardware, page 6-2.
- Administer an extension, page 6-3.
- Extension button assignments, page 6-7.
- Auto-answer, page 6-8.

**Option 2 :** See *Extension group*, page 6-9.

**Option 3 :** See *Voice services group*, page 6-11.

**Option 4 :** See *Call coverage answer group*, page 6-13.

**Option 5 :** See *Attendant console*, page 6-14.

**Option 6 :** See *Call waiting indication*, page 6-15.

**Option 7 :** See *Access to button assignment*, page 6-16.

# *Administer an extension*

<u>Extension number</u>
Used to indicate the extension number for administration purposes.

## Administration without hardware

Administration without hardware is provided to administer extensions by allowing translations to be entered before the actual ports are assigned.

```
          Extension : ...
   _____

     ADMINISTRATION WITHOUT HARDWARE

 Terminal type .............: ..
    (────> F2)

 Port number          (WXY) : ...
     W : Cabinet number
     X : Slot number
     Y : Jack number
```

<u>Terminal type</u>

Used to define the terminal type:
  1 - Analog station
  2 - Leader 48
  3 - (Unused)
  4 - Solaris alpha
  5 - Véga
  6 - Swing club
  7 - ISDN extension
  8 - CT2 cordless phone
  9 - Hélios alpha
  10 - Hélios
  11 - Hélios ampli
  12 - 960 alpha
  13 - 930 alpha
  14 - 930 or 910

Port number (WXY)

Used to indicate the port number which is made of:

- the number (W) of the cabinet housing the board:
    - 0 for basic cabinet
    - 1 for first extension cabinet
    - 2 for second extension cabinet
    - 3 for outset of basic cabinet. (See Installation manual, *System capacity*).
- the number (X) of the slot in which the board is inserted:
    - 0 to 8 for basic cabinet
    - 1 to 8 for extension cabinets
- the number (Y) of the jack where the terminal is connected:
    - 0 to 7 for Digital line boards (8PN)
    - 0 to 3 for boards supporting 4 terminals.

# Administer an extension

```
Extension:...
_____


User's name ... : ........

Auto-answer (Y/N) ....... : .

Port number       (WXY) : ...
    W : Cabinet number
    X : Slot number
    Y : Jack number




```

User's name

Used to identify the user of the extension.

> **Note**: The user's name and extension number are displayed during calls.

Auto-answer

- Answer Yes if the extension is a device broadcasting pre-recorded announcement. (See *Auto-answer*, page 6-8.)
- Answer No otherwise (Factory setting is No for all terminal types except type 1).

> **Note**: No more than 5 extensions can be declared in «Auto-answer» mode.

```
Extension: ...
_____
              COR assignment
Day class of restriction          : ..
Night class of restriction        : ..
              (from 00 to 11)
Assign time-of-day plan (1 to 3)  : .

Allow access to override night
restriction (Y/N) ..............  : .
Authorization code .............  : ...

Ringing cycle for external
calls (1 to 9) .................  : .

Access to call forward off premises : .
Maximum number of simultaneous
forwarded calls (1 à 9) ......... : .
```

<u>Day Class of restriction</u>
Used to indicate the class of restriction assigned to the extension during the day:
- Classes 00 to 09. (See *Administer classes (COR)*, page 10-2.)
- Class 10: no restriction.
- Class 11: outgoing restriction.

<u>Night Class of restriction</u>
Used to indicate the class of restriction assigned to the extension at night:
- Classes 00 to 09. (See *Administer classes (COR)*, page 10-2.)
- Class 10: no restriction.
- Class 11: outgoing restriction.

<u>Assign time-of-day plan</u>
Used to indicate the time-of-day plan assigned to the extension. (See *Administer time of day plans*, page 10-5.)

<u>Allow access to override night restriction</u>
Used to enable/disable the user to override the night restriction.

> **Note:** *Factory setting is No. It is not modifiable for an S0 ISDN data terminal.*

<u>Authorization code</u>
Used to define the 3-digit password enabling the user to override the night restriction.

> **Note:** *Non accessible for an S0 ISDN data terminal.*

Ringing cycle for external calls

Used to define a ringing cycle for dedicated and digital terminals (external calls only):

- option 1: long ringing cycle (standard)
- option 2: short ringing cycle (2 beeps)
- option 3: short ringing cycle (1 beep)
- option 4: long ringing cycle
- option 5: short ringing cycle (2 short beeps)
- option 6: short ringing cycle (1 short beep)
- option 7: long ringing cycle
- option 8: short ringing cycle (2 very short beeps)
- option 9: short ringing cycle (1 very short beep).

Access to call forward off premises

Used to enable/disable the user to forward calls to an outside telephone number.

> **Warning**: In an extension group, when the extension with the lowest number validates the call forward off-premises feature, all the incoming calls for this group will be redirected to the designated outside number.

> **Note:** Non accessible for an S0 ISDN data terminal.

Maximum number of simultaneous forwarded calls

Used to limit the number of simultaneous calls able to be forwarded off-premises.

> **Note:** Non accessible for an S0 ISDN data terminal.

```
  Ext    : ...      .
 _____
 Hotline service :
  Assigned destination ...... : ...
  (enter extension number)
 Timeout interval .......... : ..  sec
  (1 to 99 s)
 Direct connection-Validate .. (Y/N) .
 Deny access to direct connect (Y/N) .
 Vega DSS configuration .......... : .
 (from 1 to 3)

 Display language ................: .
 (available display languages __> F2)

 Call waiting indication ..........: .
 (Beep:1 ; Tone:2 ; System option:3)
```

Assigned destination

Used to indicate the extension number which is dialed automatically by the system if no dialing takes place within the predefined timeout interval.

Timeout interval
Used to define the number of seconds that must elapse before the system automatically dials the predefined extension number (assigned destination).

> *Note*: *The timeout interval for an analog station cannot exceed:*
>   *- 29 seconds for a system located in France*
>   *- 15 seconds for a system located in Belgium.*

Direct connection-Validate
Used to enable/disable the user to directly answer incoming trunk calls.

Deny access to direct connection
Used to enable/disable the user to access the Direct connection feature at his/her terminal.

Solaris DSS configuration
Used for assigning a preprogrammed configuration to the Solaris DSS buttons. (See *Configure SOLARIS DSS*, page 11-10.)

Vega DSS configuration
Used for assigning a preprogrammed configuration to the Vega DSS buttons. (See *Configure VEGA DSS*, page 11-9.)

Display language
Used to define the display language used at the extension.

Call waiting indication
Used to indicate how the extension will be notified of a waiting call:
- Beep
- Tone
- System option. (See *Call waiting indication*, page 6-15.)

# Extension button assignments

```
┌─────────────────────────────────────────────────┐
│                                                   │
│    Extension: ...                                 │
│   ─────────────────────────────────────────       │
│                                                   │
│    BUTTON ASSIGNMENTS :                           │
│  . A . N  │  A:                      : ...         │
│  . B . O  │  B:                      : ...         │
│  . C . P  │  C:                      : ...         │
│  . D . Q  │  D:                      : ...         │
│  . E . R  │  E:                      : ...         │
│  . F . S  │  F:                      : ...         │
│  . G . T  │  G:                      : ...         │
│  . H . U  │  H:                      : ...         │
│  . I . V  │  I:                      : ...         │
│  . J . W  │  J:                      : ...         │
│  . K . X  │  K:                      : ...         │
│  . L . Y  │  L:                      : ...         │
│  . M . Z  │  M:                      : ...         │
│   ─────────────────────────────────────────       │
│    HELP                      ——> F2               │
└─────────────────────────────────────────────────┘
```
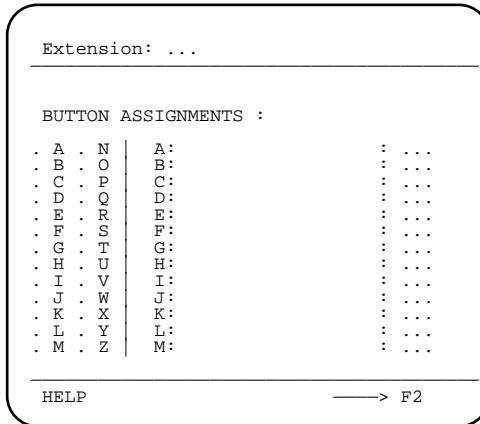
Button assignments
Used to modify the current button assignments by entering the appropriate feature access codes.

> *Note: On a Hélios alpha terminal, buttons 13, 25 and 26 are used for the MGO functions NEXT, PREVIOUS and VALID.*

**Table 6 : Available feature access codes for button assignment**

| Feature | Code | Feature | Code | Feature | Code |
|---------|------|---------|------|---------|------|
| Common outgoing (ARS) | 0[a] | Alarm call | 642 | Direct connection | 75 |
| Return to call | 1 | Call appearance | 643 | Message retrieval | 77 |
| Toggle (Broker's call) | 22 | Outside transfer | 644 | Personal AD numbers-store | 78 |
| Trunk groups | 400-409 | Call pick-up | 65 | Place call using AD | 8 |
| Trunks | 411-442 | Transfer/Group park | 66 | Alphabetical AD | 8* |
| Extension groups | 451-458 | Exclusive hold | 67 | Memory | 80[a] |
| Page an individual | 460 | Ringer on | 68 | Personal AD | 81[a] |
| Group page | 461-468 | Forward internal-activate | 691 | Personal AD numbers | 810-819[a] |
| Loudspeaker page | 469 | Forward off-premises-activate | 695 | System AD numbers | 8200-8999[a] |
| Voice services group | 471-478 | Program | 7 | Attendant | 9[a] |
| Answer incoming trunk call | 5 | Mute | 70 | Internal call | fd+Nb |
| Answer page | 60 | Drop | 71 | | |
| Automatic callback | 61 | Leave word calling | 72 | | |
| Do not disturb | 62 | Vega DSS-configuration | 731-733 | | |
| Three-party conference | 63 | Solaris DSS-configuration | 731-739 | | |
| Override restriction | 641 | Internal auto answer | 74 | | |

a.   See *Feature access code*, page 5-8.

ARS: Automatic Route Selection (See *Outgoing assignments*, page 9-28.)

# Auto-answer

This feature is used to connect the outside calling party to a device broadcasting pre-recorded announcements which then transfers the call. There are two auto-answer modes which are described below.

**Forced first announcement.**

The calling party hears the entire pre-recorded announcement before the call is transfered to the called party.

**First announcement.**

The calling party hears the pre-recorded announcement while the system tries to establish the connection with the called party. The caller is connected as soon as the called party answers the call.

The appropriate auto-answer mode is selected when assigning ISDN-DID numbers. (See *Assign ISDN-DID numbers*, page 9-11.)

*Warning*: *Assign the auto-answer mode to the extension before connecting the broadcasting device.*

```
Extension: ...
_____


 Length of pre-recorded ...... : .    sec
 announcement ( 0 to 255 s)

 Auto-answer timeout interval  : .    sec
 ( 0 to 255 s)
```

Length of pre-recorded announcement
Used to define the length of the pre-recorded announcement.

Auto-answer timeout interval
Used to define the number of seconds that must elapse before the pre-recorded announcement is played.

*Warning*: *The auto-answer timeout interval should exceed the DID coverage timers. (See Coverage timers, page 9-8.)*

# *Extension group*

Extension group number
Used to indicate the extension group number for administration purposes.

```
   Operational characteristics-Group ..
_____
Name of group : .

 DID call distribution mode
  Terminating extension group .... (1)
  Direct department calling ...... (2)
  Uniform call distribution ...... (3)
 Select option .................. : .

 Maximun number of calls in queue  : ..
                       (1 to 32)
 Hunting delay interval (5 to 99s) : ..

 Ring several ext. at once ..(Y/N) : .
```

Name of group
Used to define the name of the group. (12 characters)

> **Note**: The group name and number are displayed during calls.

DID call distribution mode
Used to assign a DID call distribution mode to an extension group.
- **Terminating extension group**: DID call rings all the extensions simultaneously.
- **Direct department calling**: DID call rings the first available member in the administered sequence (the sequence runs from the lowest to the highest extension number). In other words, calls always try to complete at the first group members in the sequence.
- **Uniform call distribution**: DID call rings the next idle member, in a cyclic order. In other words, calls are distributed evenly among the group members.

> **Note**: Calls ring only extensions having their ringer on.

Maximum number of calls in queue
Used to limit the number of calls being answered and waiting to be answered by the group. The extension group is "active" before this number is reached and it is "busy" when this number is reached.

> **Note**: Similarly, the group is "busy" when all its administered members have their ringer off.

Hunting delay interval

Used to define the number of seconds that must elapse before DID call rings the next available extension.

> *Note*: *Useless for a Terminating extension group.*

Ring several extensions at once

Used to indicate if the extension(s) previously rung will go on ringing when DID call rings the next available extension.
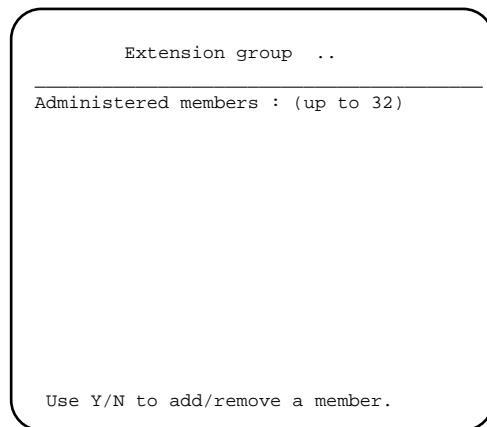
```
         Extension group  ..
_____
Administered members : (up to 32)




                        


  Use Y/N to add/remove a member.
```

All the administered extensions appear on this screen.

Administered members

Used to indicate the group members. The administered members are shown in reverse video.

> *Note*: *An extension can only belong to one group.*

> *Note*: *An S0 ISDN data extension cannot belong to a group.*

> *Note*: *A group may have up to 32 members.*

# *Voice services group*

*Warning*: All the administered equipment must be idle while you program this option.

Voice services group number
Used to indicate the voice services group number for administration purposes.
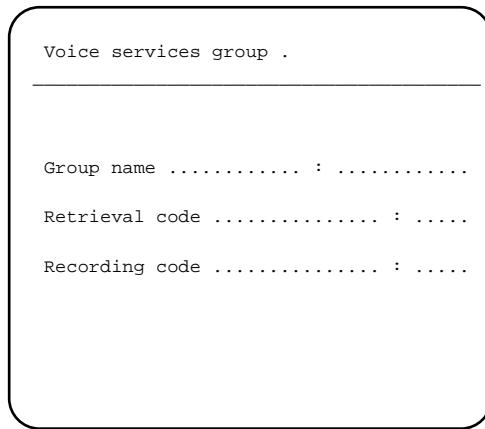
```
Voice services group .
_____


Group name ........... : ...........

Retrieval code .............. : .....

Recording code .............. : .....
```

Group name
Used to define the group name (12 characters).

*Note*: The group name and number are displayed during calls.

Retrieval code
Used to define the code to be used for playing messages.

Recording code
Used to define the code to be used for leaving messages.
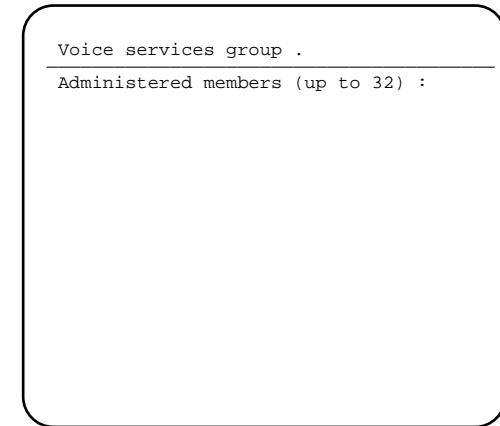
```
Voice services group .
Administered members (up to 32) :
```

All the administered analog stations appear on this screen.

Administered members

Used to indicate the group members. The administered members are shown in reverse video.

*Note*: An extension can only belong to one group.

*Note*: A group may have up to 32 members.

# *Call coverage answer group*

The call coverage answer group receives:
- the calls which have not been answered,
- the calls placed to the attendant when the system is in night service mode.
- all the outside calls coming in on non-assigned trunks. (See *Incoming trunk groups*, page 9-3.)

   *Note: Calls ring only extensions having their ringer on.*
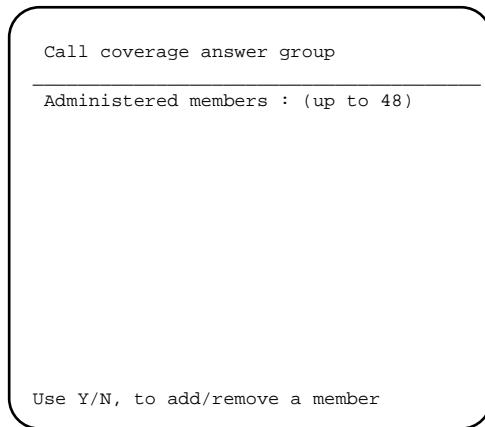
```
   Call coverage answer group
  _____
   Administered members : (up to 48)






   Use Y/N, to add/remove a member
```

All the administered extensions appear on this screen.

Administered members

Used to indicate the members of the group. The extensions belonging to the group are shown in reverse video.

   *Note: The call coverage answer group may have up to 48 members.*

   *Note: When the system is switched on, all the administered extensions belong to the call coverage answer group with a maximum of 48 members.*

# *Attendant console*

```
                    Attendant console
  _____


   Attendant extension numbers : ...
                         and : ...

  When the external ringer is active,
  incoming trunk calls rings
  the attendant console  (Y/N) : .
```
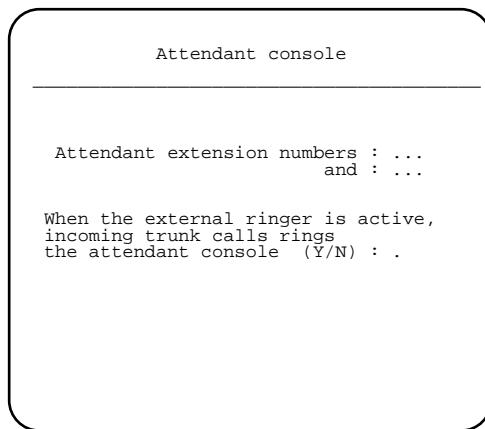
Attendant extension numbers

Used to define the attendant extension numbers.

> ***Note****: When the system is switched on, the first dedicated terminal (equipped with a display)
> to be detected is declared as attendant console.*

When the external ringer is active, incoming trunk calls ring the attendant console(s)

Used to indicate that incoming trunk calls ring the attendant console(s) when
the external ringer is active. Thus, incoming trunk calls ring the attendant con-
sole(s), the external ringer and the members of the call coverage answer group
at the same time.

# *Call waiting indication*

```
            Call waiting indication
_____

 System call waiting indication


      Beep ........................ 1
      Ringing tone ................ 2

      Select option ............ :  .

_____
VALIDATION              ———> Enter
PREVIOUS PAGE           ———> F4
```
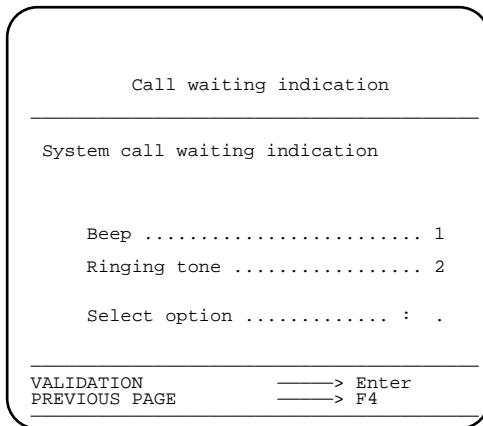
<u>System call waiting indication</u>
Used to define the system option for call waiting indication. (See *Call waiting indication*, page 6-6.)

# *Access to button assignment*

```
        Access to button assignment
   _____


   Deny access to extension
   button assignment      (Y/N)    : .

   Deny access to VEGA DSS
   button assignment      (Y/N)    : .

   Deny access to SOLARIS DSS
   button assignment      (Y/N)    : .
```

Deny access to extension button assignment
Used to enable/disable the extension user to modify the terminal button assignment.

Deny access to VEGA DSS button assignment
Used to enable/disable the extension user to modify the VEGA DSS button assignment.

Deny access to SOLARIS DSS button assignment
Used to enable/disable the extension user to modify the SOLARIS DSS button assignment.

```
┌─────────────────────────────────────────┐
│                                         │
│          Trunk administration           │
│     ───────────────────────────────     │
│                                         │
│                                         │
│    Administer a trunk ............... 1  │
│    List of trunks ................... 2  │
│                                         │
│                                         │
│                                         │
│                                         │
│    Select option :                   .   │
│                                         │
│                                         │
└─────────────────────────────────────────┘
```
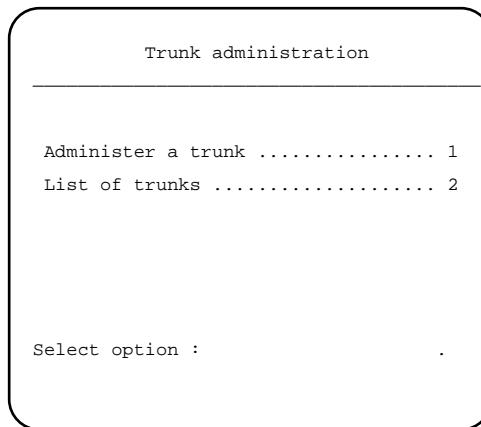
**Option 1:** See *Administer a trunk*, page 7-2.
           - Administration without hardware, page 7-3.
           - Administer a trunk, page 7-2.
**Option 2 :** See *List of trunks*, page 7-6.

• • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •

# *Administer a trunk*
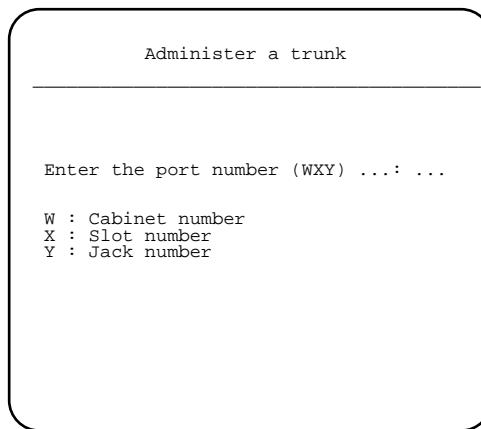
```
                    Administer a trunk
      _____


      Enter the port number (WXY) ...: ...

      W : Cabinet number
      X : Slot number
      Y : Jack number
```

Port number (WXY)

Used to indicate the port number which is made of:

- the number (W) of the cabinet housing the board:
    - 0 for basic cabinet
    - 1 for first extension cabinet
    - 2 for second extension cabinet
    - 3 for outset of basic cabinet. (See Installation manual*, System capacity*).
- the number (X) of the slot in which the board is inserted:
    - 0 to 8 for basic cabinet
    - 1 to 8 for extension cabinets
- the number (Y) of the jack where the trunk is connected:
    - 0 to 3.
    - 0 to 3.

> *Note: If there are already 40 administered trunks, it is impossible to access the following pages. One trunk at least must be deleted.*

> *Note: For an ISDN PRI trunk, the port number is WXY = 000.*

# Administration without hardware

Administration without hardware is provided to administer trunks by allowing line translations to be entered before the actual ports are assigned.

```
             Administer a trunk
   _____


      ADMINISTRATION WITHOUT HARDWARE
                Trunk  ...

           Enter type of trunk : ...

RTC : Analog CO trunk
TO  : ISDN-BRI
T2  : ISDN-PRI

```
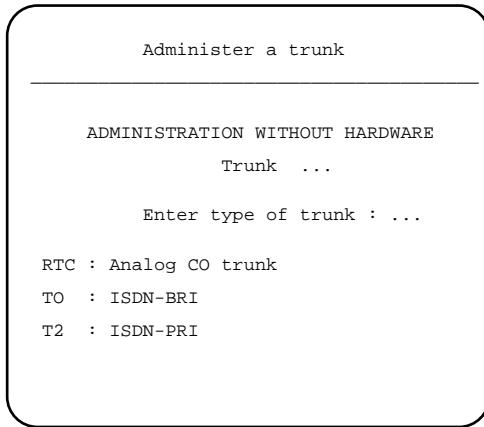
Type of trunk
Used to define the type of trunk:
- enter «RTC» (Public Telephone Network) for an analog CO trunk
- enter «T0» for an ISDN BRI
- enter «T2» for an ISDN PRI.

```
ISDN-PRI Administration without hardware
────────────────────────────────────────
 Activate CRC (Y/N)                    : .

 Number of B-channels                  : .

     15 B-channels (no GAL): option 0
     20 B-channels (1  GAL): option 1
     25 B-channels (2  GAL): option 2
     30 B-channels (3  GAL): option 3


 Warning,
 Refer to the PRI ordered from your
 carrier.

```

Activate CRC
Do not modify this parameter unless you are asked to do so.

Number of B-channels
Used to indicate the number of B-channels (for ISDN PRI only).

# Administer a trunk

```
              Analog CO trunk .
   _____

  Connected to a host PBX ? (Y/N) .. : .
    Enter host PBX access code : ..

  Signaling mode ............ : .
   Pulse (1) ; Tone-DTMF (0)

  Trunk number .............. : ..

  Incoming only trunks appear in reverse
  video.
    Incoming only trunk ........... : Y
    Outgoing or 2-way trunk ....... : N
```
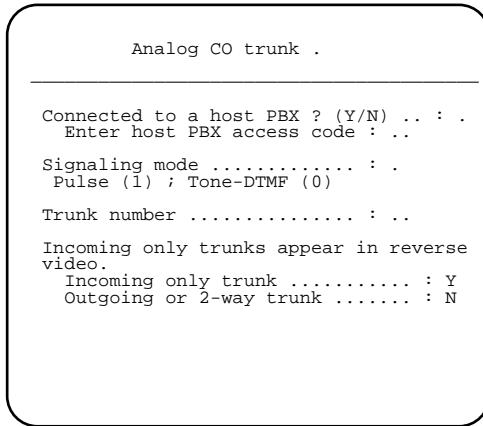
Connected to a host PBX
Used to indicate whether the trunk is connected to a host PBX or directly to the telephone network.

Host PBX access code
Used to define the host PBX access code (in order to respect the administered restrictions).

Signaling mode (for analog CO trunk only)
Used to indicate the signaling mode on an analog CO trunk.

Trunk number (for analog CO trunk only)
The trunk number is automatically defined by the system.

List of trunk numbers (for ISDN trunk only)
The trunk numbers are automatically defined by the system.

> **Note**: *Each number corresponds to a channel.*

Type of trunk
Used to indicate if the trunk is:
- an incoming only trunk
- an outgoing or two-way trunk.

> **Note**: *With regard to ISDN trunks (T2/PRI or T0/BRI), incoming only then two-way trunks with the lowest trunk numbers are used for incoming calls.*

**7** **Trunk administration**
*List of trunks*
Administer a trunk

# *List of trunks*

This page is used to display or modify the administered trunk numbers.

```
        List of trunks

───────────────────────────────────
Trunk nb      Port nb    Trunk type
   411          080           T0
   412          080           T0
   413          081           T0
   414          081           T0
   415          082           T0
   416          082           T0
   417          083           T0
   418          083           T0
   419          050          RTC
   420          051          RTC
```

Trunk number
Indicates the assigned trunk number.

Port number
Indicates the port number to which the trunk is connected.

Trunk type
Indicates the type of trunk.

To modify the match between trunk numbers and port numbers *(E.g. match trunk 418 to port 080)*:
1. Place the cursor on the line showing the port to be newly matched *(411 ->080 RTC)*
2. Note the trunk number which appears at this position *(411)*
3. Enter the trunk number to be newly matched*(418)*
4. Move the cursor to the line showing the port which was formerly matched *(418 ->051RTC)*
5. Enter the trunk number noted in step 2 *(411)*
6. Repeat steps 1 to 5 to modify the match for another trunk or validate.

# 8 Terminal translation initialization

Terminal translation initialization is used:
- to match extension numbers to port numbers
- for station moves from office to office without modifying the wiring.

    ***Note****: The extension button assignment is saved.*

All the administered extension numbers appear on this screen .

Extension numbers can be modified whereas port numbers can't.

```
    Terminal translation initialization


 Match port numbers with extension
 numbers :

 300->051  317->082  330->061  398->021
 301->070  318->041  331->052  399->020
 302->071  319->063  332->042     ->
 303->072  320->080  350->083     ->
 304->073  322->040  360->030     ->
 305->060  323->043  395->010     ->
 314->081  324->062  396->023     ->
 315->050  329->053  397->022     ->
```
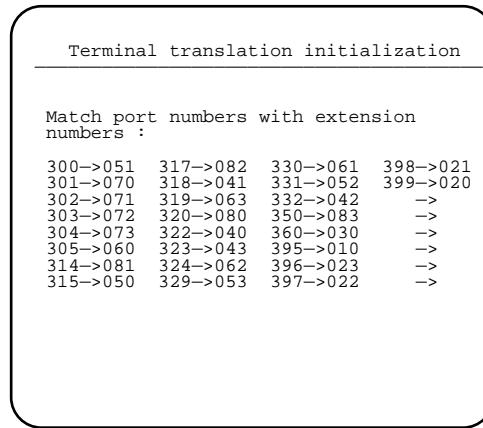
To modify the match between extension numbers and port numbers *(E.g. match extension 320 to port 080)*:
1. Place the cursor on the line showing the port to be newly matched *(320 080)*
2. Note the extension number which appears at this position *(320)*
3. Enter the extension number to be newly matched *(350)*
4. Move the cursor to the line showing the port which was formerly matched *(350 083)*
5. Enter the extension number noted in step 2 *(320)*
6. Repeat steps 1 to 5 to modify the match for another extension or validate.

    ***Note****: An extension number cannot be assigned to more than one port number ***except*** when the extension is an S0 ISDN data terminal or a cordless phone.*

    ***Note****: A cordless phone extension number will be matched to the port number of the radio base station that was last used.*

# 9           Routing

```
                    Routing
   _____

   Incoming call distribution ....... 1
   Outgoing call routing ........... 2




   Select option :                  .
```
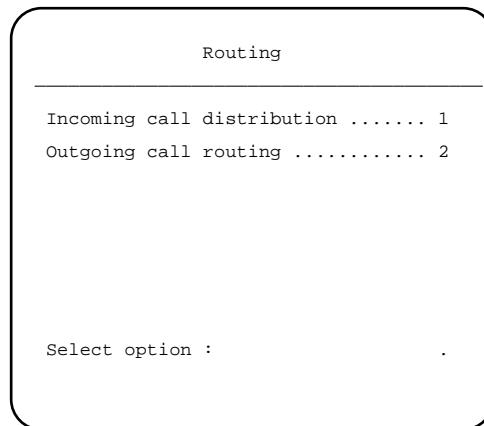
**Option 1:** See *Incoming call distribution*, page 9-2.
- Incoming trunk groups, page 9-3.
- ISDN DID, page 9-8.
- ISDN subaddressing, page 9-19.
- Coverage path Extension - Don't answer, page 9-20.
- Coverage path Extension-Active, page 9-22.
- Coverage path Extension group- Don't answer, page 9-23.
- Coverage path Extension group-Active, page 9-25.

**Option 2 :** See *Outgoing call routing*, page 9-26.
- Outgoing trunk groups, page 9-27.
- Outgoing assignments, page 9-28.
- ARS tables, page 9-30.
- ARS parameters, page 9-35.

**9**

# *Incoming call distribution*

```
              Incoming call distribution
    _____

    Incoming trunk groups ............. 1

    ISDN-DID .......................... 2

    ISDN subaddressing ................ 3

    Coverage path Extension-Don't answer 4

    Coverage path Extension-Active ..... 5

    Coverage path Ext gp-Don't answer .. 6

    Coverage path Ext gp-Active ....... 7
    _____

    Select option :                    .
    VALIDATION              ———> Enter
    PREVIOUS PAGE           ———> F4
```
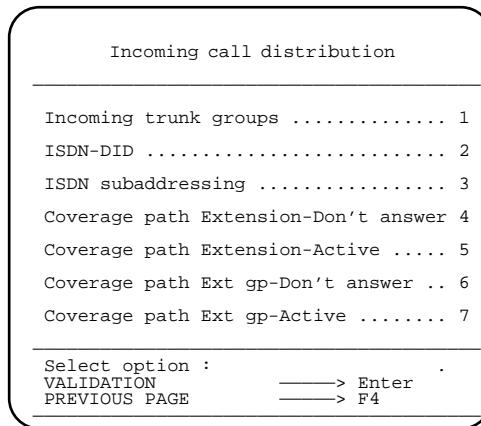
**Option 1:** See *Incoming trunk groups*, page 9-3.
- Day service incoming trunk group, page 9-4.
- Night service incoming trunk group, page 9-6.

**Option 2 :** See *ISDN DID*, page 9-8.
- ISDN-DID parameters, page 9-10.
- Assign ISDN-DID numbers, page 9-11.
- Delete ISDN-DID numbers, page 9-14.
- Display ISDN-DID numbers, page 9-15.
- Assign ISDN-DID trunks, page 9-15.
- Calling party number, page 9-16.

**Option 3 :** See *ISDN subaddressing*, page 9-19.

**Option 4 :** See *Coverage path Extension - Don't answer*, page 9-20.

**Option 5 :** See *Coverage path Extension-Active*, page 9-22.

**Option 6 :** See *Coverage path Extension group- Don't answer*, page 9-23.

**Option 7 :** See *Coverage path Extension group-Active*, page 9-25.

# Incoming trunk groups

Up to 32 incoming trunk groups may be defined.

Incoming trunk group number
Used to indicate the trunk group number for administration purposes.

```
          Incoming trunk group ..
_____

  Port nb     Trunk type    Group nb ..
    ...            ..




  Use Y/N, to add/remove a member
```

Port number
Indicates the number of the port to which the trunk is connected.

Trunk type
Indicates the trunk type.

Group
Used to indicate whether the trunk belongs to the group.

> **Note**: A trunk can only belong to one group.

## Day service incoming trunk group

```
 Day service incoming trunk group    .

 _____


 Don't answer interval (5-240s) : .. s

 Assigned Voice Services group
 GV.  ( from 1 to 8 )
```

A trunk group can be assigned to:
- a single or several extensions
- a Voice Services group
- both extensions and Voice Services group simultaneously.

*Application*: When a trunk group is assigned to both the attendant console and a voice ser-
vices group, the human attendant is able to pick-up the incoming call as the voice mes-
saging system is answering it after a while. When the human atttendant is unavailable or
off-duty, the voice messaging system may direct the call to an automated attendant or
drop it after the announcement is played.

Don't answer interval

Used to define the number of seconds that must eleapse before an unanswered
call is routed to the call coverage answer group.

Assigned Voice Services group

Used to define the number of the Voice Services group able to answer the
incoming calls.

```
   Day service incoming trunk group  .
  _____
  Assigned extensions : (up to 32)




  _____
  Use Y/N to add/remove a member
  VALIDATION              ———> Enter
```

Assigned extensions

Used to define the extensions able to answer the incoming calls.

> **Note**: *Extensions belonging to the group are shown in reverse video.*
> *An extension group may have up to 32 members.*

> **Warning:** *If the extension with the lowest extension number has activated the forward off-premises or forward internal feature to a voice messaging system, the incoming call is immediately forwarded and does not ring the other extensions able to answer it.*

## Night service incoming trunk group

Once day service incoming trunk groups have been assigned, press Enter.

```
Night service incoming trunk group  .

_____


Don't answ. interval(5-240 s)  : ..

Assigned Voices Services group
GV.  ( from 1 to 8 )
```

A trunk group can be assigned to:

- a single or several extensions
- a Voice Services group
- both extensions and Voice Services group simultaneously.

*Application: When a trunk group is assigned to both the attendant console and a voice services group, the human attendant is able to pick-up the incoming call as the voice messaging system is answering it after a while. When the human atttendant is unavailable or off-duty, the voice messaging system may direct the call to an automated attendant or drop it after the announcement is played.*

Don't answer interval
Used to define the number of seconds that must eleapse before an unanswered call is routed to the call coverage answer group.

Assigned Voice Services group
Used to define the number of the Voice Services group able to answer the incoming calls.

```
┌─────────────────────────────────────────┐
│                                         │
│   Night service incoming trunk group  . │
│  ─────────────────────────────────────  │
│   Assigned extensions : (up to 32)      │
│                                         │
│                                         │
│                                         │
│                                         │
│                                         │
│                                         │
│                                         │
│                                         │
│  ─────────────────────────────────────  │
│   Use Y/N to add/remove a member        │
│   VALIDATION          ────> Enter       │
│                                         │
└─────────────────────────────────────────┘
```

Assigned extensions

Used to define the extensions able to answer the incoming calls.

> *Note*: *Extensions belonging to the group are shown in reverse video.*
> *An extension group may have up to 32 members.*

> *Warning:* *If the extension with the lowest extension number has activated the forward off-premises or forward internal feature to a voice messaging system, the incoming call is immediately forwarded and does not ring the other extensions able to answer it.*

## Call termination - assigned trunks to a single or several extensions

When a call comes in on a trunk assigned to a single extension:
• the extension rings, whether it has its ringer on or not.

When a call comes in on a trunk assigned to several extensions:
• the extensions ring only if they have their ringer on. Otherwise, the call is directed to the call coverage answer group.

If unanswered during the assigned don't answer interval, the call is directed to:
• the attendant console(s)
• the administered members of the coverage answer group having their ringer on
• the external ringing unit if the attendant consoles have their ringer off.

## Call termination - non assigned trunks

The incoming call rings:
• the attendant console(s) having their ringer on or not
• the administered members of the coverage answer group having their ringer on
• the external ringing unit if the attendant console(s) have their ringer off.

---

# ISDN DID

```
              ISDN-DID
   ─────────────────────────────────

   ISDN-DID parameters ............... 1
   Assign ISDN-DID numbers ........... 2
   Delete ISDN-DID numbers ........... 3
   Display ISDN-DID numbers .......... 4
   Assign ISDN-DID trunks ............ 5
   Calling party number .............. 6

   Select option :                   .
```

**Option 1:** See *ISDN-DID parameters*, page 9-10.

**Option 2 :** See *Assign ISDN-DID numbers*, page 9-11.

**Option 3 :** See *Delete ISDN-DID numbers*, page 9-14.

**Option 4 :** See *Display ISDN-DID numbers*, page 9-15.

**Option 5 :** See *Assign ISDN-DID trunks*, page 9-15.

**Option 6 :** See *Calling party number*, page 9-16.
- Add/Modify Extension nb-Calling party nb, page 9-17.
- Delete Extension nb - Calling party nb, page 9-17.
- Display Ext nb - Calling party nb, page 9-17.
- Automatic CPN assignment, page 9-17.
- Area code, page 9-18.

**The various DID call processing modes**

DID number analysis depends on the public network to which the system is connected.

The various parameters taken into account for DID call processing are:
- DID number lengths
- DID number contents:
  - extension number only
  - full number
- DID number reception mode:
  - in block (Number with ending delimiter)
  - overlapping (Number with or without ending delimiter)

**Table 7 : DID call processing mode - classification by country**

| Reception mode | DID number contents | |
|---|---|---|
| | *Full number* | *Extension number only* |
| Block | The Netherlands, Belgium, Germany, Luxembourg | France, United Kingdom |
| Overlapping | Germany, Luxembourg | Germany, Luxembourg |

## ISDN-DID parameters

```
          ISDN DID Parameters
_____
Parameters of DID numbers :
   Number of significant
        digits .....   : .
   Number of non-significant
        digits .....   : .

Interdigit timer .............. : ..  s

   DID coverage timeout intervals
                       (5 to 240s)
Don't answer interval - Ext ... :  .. s
Busy interval - Ext ........... :  .. s
Attendant interval ............ :  .. s
Don't answer interval - Ext Grp :  .. s
Busy interval - Ext Grp ....... :  .. s


_____
VALIDATION         ————> Enter
PREVIOUS PAGE      ————> F4
```

Number of significant digits
Used to define the maximum number of digits in the DID number which will be taken into account for DID call routing.

*Warning: This parameter must be assigned a value.*

Number of non-significant digits
Used to define the number of digits in the DID number which will not be taken into account for DID call routing.

**Warning:** *This parameter must be assigned a value when DID number reception mode is 'overlapping' and DID number contents is 'full number'.*

Interdigit timer
Used to define the number of seconds that must elapse before a DID number in overlapping reception mode without ending limiter, is regarded as complete by the system.

DID coverage timeout intervals
Used to define the number of seconds that must elapse before a DID call is redirected to another extension, extension group, Voice Services group or attendant console. (See page 20 to page 25)

DID coverage timeout intervals are:
- don't answer interval-extension
- busy interval-extension
- attendant interval
- don't answer interval-ext. group
- busy interval-ext. group.

**Assign ISDN-DID numbers**

DID numbers are assigned in lists of up to 10 consecutive numbers. The system supports up to 100 DID numbers.

```
        Assign ISDN-DID numbers
_____


  First DID number in list:
                       .........
  Number in consecutive DID numbers
  In the list .....  : ..
  (Up to 10)



_____
  VALIDATION           ———> Enter
  NEXT LINE            ———> Down
  PREVIOUS LINE        ———> Up
  PREVIOUS PAGE        ———> F4
```
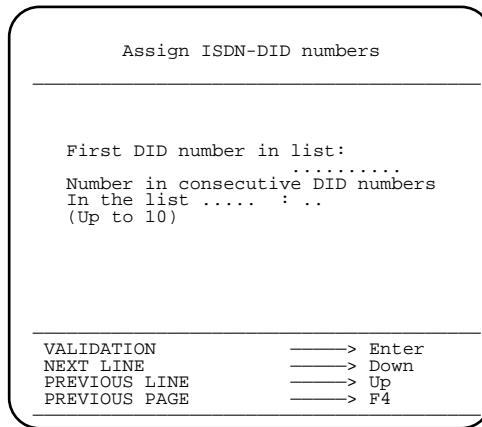
First DID number in list
Used to define the first DID number in the list.

In some countries DID numbers vary in length.

Example: 9 digits «069 95321 0» for the attendant DID number and 12 digits «069 95321 4001» for an extension within the same PBX.

*In this example, the number of significant digits is 4 and the number of non-significant digits is 8.*

In this case, at least 2 lists must be created:
•   one beginning with «0» for 9-digit numbers
•   one beginning with «069 95321 4001» for 12-digit numbers.

Number of consecutive DID numbers
Used to define the number of DID numbers in the list.

*Note: A list of DID numbers cannot contain more than10 numbers.*

```
┌─────────────────────────────────────────────┐
│                                             │
│         Assign ISDN-DID numbers             │
│   ─────────────────────────────────────     │
│     DID        Ext Auto     Tod Additional  │
│     nb         nb  Answ Mode Plan info.      │
│                                             │
│                                             │
│                                             │
│                                             │
│                                             │
│                                             │
│                                             │
│   ToD :According to time-of-day plan (Y/N)  │
│   Mode:First announcememt         (0)       │
│        Forced first announcememt  (1)       │
│   ─────────────────────────────────────     │
│   VALIDATION          ───────> Enter        │
│   PREVIOUS PAGE       ───────> F4           │
│                                             │
└─────────────────────────────────────────────┘
```

DID number
Indicates the DID number.

Extension number
Used to assign the DID number to an extension, an extension group, the attendant console or a Voice Services group. To assign a DID number:

- to an extension:
  - Enter the extension number.

  *Note: To make sure that DID extension numbers (M)CDU match extension numbers, first administer the section «Feature access code, page 5-8.», then modify the extension numbers in the section «Terminal translation initialization, page 8-1.».*
  *An extension can be assigned to several DID numbers.*

- to an extension group:
  - Enter G followed by the group number (from 1 to 8).

  *Warning: If the extension with the lowest extension number has activated the forward off-premises or forward internal feature to a voice messaging system, the incoming call is immediately forwarded and does not ring the other extensions able to answer it.*

- to the attendant console:
  - Enter «PO».
- to a Voice Services group:
  - Enter GV followed by the Voice Services group number (from 1 to 8).

Auto-answer
Used to define the 'auto-answer' extension number the calling party will be connected to. Leave blank if you do not wish to validate the auto-answer feature.

  *Note: You must enter an 'auto-answer' extension number.*

Mode

Used to define the auto-answer mode. (See *Auto-answer*, page 6-8.)

- 0 : First announcement
- 1 : Forced first announcement.

Time-of-day plan

Used to define whether the auto-answer feature is active at all times or according to the time-of-day plan assigned to the extension.

- Answer Yes to activate the auto-answer feature according to the time-of-day plan assigned to the extension.
- Answer No to activate the auto-answer feature at all times.

    ***Note***: *When the night service is activated at the attendant console, the auto-answer feature is deactivated.*

Additional information

Used to define the additional information (8 characters) to be displayed on terminals on call arrival.

    ***Note***: *By default the last 4 digits of the DID number are added to the additional information.*

**Delete ISDN-DID numbers**

```
            Delete ISDN-DID numbers
_____


   First DID number in list:
                         .........
   Number in consecutive DID number
   in the list .....  : ..
   (up to 10)



_____
VALIDATION            ———> Enter
NEXT LINE             ———> Down
PREVIOUS LINE         ———> Up
PREVIOUS PAGE         ———> F4
```

First DID number in list
Used to define the first DID number in the list to be deleted.

Number of consecutive numbers in the list
Used to define the number of DID numbers in the list to be deleted.

> **Note:** *A list of DID numbers cannot contain more than 10 numbers.*

```
         Delete ISDN-DID numbers
_____
   DID        Ext Auto     Tod Additional
   nb         nb  Answ Mode Plan info.







       Warning, if you press ENTER
       the displayed numbers are deleted.
_____
DELETE                ———> Enter
PREVIOUS PAGE         ———> F4
```

This screen is used to confirm the deletion of DID numbers.

### Display ISDN-DID numbers

This screen is used to display DID numbers.

### Assign ISDN-DID trunks

```
         Assign ISDN-DID trunks
_____

   Port nb    Trunk type    ISDN DID
     ...          ..




_____
VALIDATION            ———> Enter
ADD A TRUNK           ———> Enter Y
REMOVE A TRUNK        ———> Enter N
PREVIOUS PAGE         ———> F4
_____
```

All the administered ISDN PRI and BRI trunks are displayed.

Port number
Indicates the port number to which the trunk is connected.

Trunk type
Indicates the trunk type.

ISDN DID
Used to define whether the trunk is to support DID.

> **Note:** *On start-up, there are no trunks supporting DID.*

### Calling party number

Calling party numbers enable extension users to be identified by the called party. The system is set to send the DID numbers assigned to the extensions.

However, an extension user may:
- be identified by a DID number other than that assigned (e.g. the attendant DID number)
- be identified by a DID number even if none has been assigned to the extension
- not be identified by a DID number.

```
            Calling party number
_____

 Add/Modify Ext nb-Calling party nb ..1

 Delete Ext nb-Calling party nb ......2

 Display Ext nb-Calling party nb .....3

 Automatic CPN assignments ...........4

 Area Code ...........................5


_____
 Select option :                    .

 VALIDATION             ————> Enter
 PREVIOUS PAGE          ————> F4
```
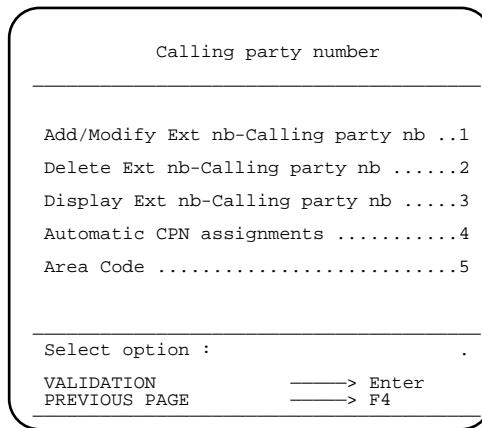
**Option 1:** See *Add/Modify Extension nb-Calling party nb*, page 9-17.

**Option 2 :** See *Delete Extension nb - Calling party nb*, page 9-17.

**Option 3 :** See *Display Ext nb - Calling party nb*, page 9-17.

**Option 4 :** See *Automatic CPN assignment*, page 9-17.

**Option 5 :** See *Area code*, page 9-18.

## Add/Modify Extension nb-Calling party nb

```
Add/Modify Extension nb-Calling party nb
―――――――――――――――――――――――――――――――


     Ext number: ..
     CPN number : ..



```

Extension number
Used to select an extension to administer the calling party number (CPN).

> **Note**: *CPN administration is always done extension by extension.*

CPN number
Used to define the calling party number.

> **Note**: *The system does not monitor the contents of this field and the information it contains is the sole responsibility of the administrator.*

> **Warning**: *An S0 ISDN terminal equiment must send its entension number to the S Bus to allow the system to send the assigned CPN number to the public network..*

## Delete Extension nb - Calling party nb

Used to delete a calling party number.

## Display Ext nb - Calling party nb

Used to display the list of the calling party numbers that are assigned to extensions.

## Automatic CPN assignment

Used to automatically copy assigned DID numbers in the «CPN number» field.
(See *Display ISDN-DID numbers*, page 9-15.)

> **Note**: *All prior configurations are deleted.*

> **Note**: *Extension groups, Voice Services groups, extensions declared in "auto-answer" mode-and attendant console(s) are not taken into account in the automatic CPN assignment procedure.*

### Area code

```
                    Area code
_____


                 Area code  : .....




```
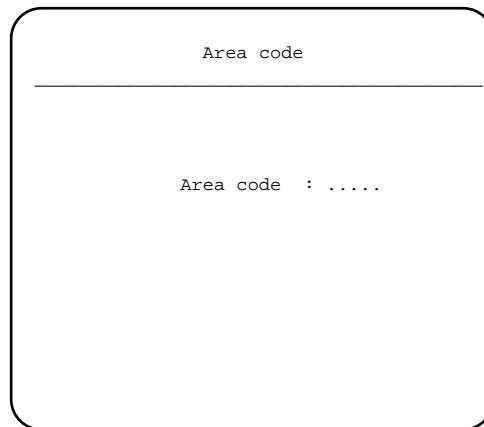
Area code
Used to select an extension to administer the calling party number (CPN).

**Table 8 : Area code**

| | Country | | | | |
|---|---|---|---|---|---|
| | France except DOM | French DOM | Germany The Netherlands | Belgium | Switzerland United Kingdom |
| Number dialed inside the area | 0ZABPQMCDU | 0ZABPQMCDU or PQMCDU | 0 + Area code + n digits or n digits | n digits | 0 + Area code + n digits or n digits |
| Number dialed outside the area | 0ZABPQMCDU | 0ZABPQMCDU | 0 + Area code + n digits | 0 + Area code + n digits | 0 + Area code + n digits |
| Number sent by the network | ZABPQMCDU | ZABPQMCDU | Area code + n digits | Area code + n digits | 0 + Area code + n digits |
| Code to be entered | None | ZAB | Area code | Area code | 0 + Area code |

# ISDN subaddressing

```
                ISDN subaddressing
   _____
                                    page 1/2



   ISDN-subaddressing coverage timers :

   Don't answer interval(5 to 240s):   s
   Busy interval .......(5 to 240s):   s
   Attendant interval ..(5 to 240s):   s
```

ISDN-subaddressing coverage timers
Used to define the the number of seconds that must elapse before an ISDN call
with a subaddress is redirected to another extension, extension group, Voice
Services group or attendant console. (See page 20 to page 25)
The ISDN-subaddressing coverage timers are:
- don't answer interval
- busy interval
- attendant interval.

```
   Assign extensions to ISDN subaddressing
   _____
   Extension numbers :









   Use Y/N, to add/remove a member
```

Extension numbers
Used to assign subaddresses to extensions.

> **Note**: Extensions which are assigned a subaddress appear in reverse video.

# Coverage path Extension - Don't answer

Redirection takes place if the principal does not answer the call within the don't answer interval (See *ISDN-DID parameters*, page 9-10. or See *ISDN subaddressing*, page 9-19.).

```
   Coverage path Extension-Don't answer
_____



   Enter extension number ........ : ...
```

Extension number
Used to select an extension number for administration purposes.

```
     Coverage path Extension-Don't answer
 _____
 Extension number ..... : ...
 User's name .......... : ...........

 Coverage point ................ : .
      - Attendant          (1)
      - Extension          (2)
      - Extension group    (3)
      - Voice Services group (4)


 Answering position ........... : ...
   - Extension
   - Extension group ( G1 to G8 )
   - Voice Services group ( GV1 to GV8 )
```

Extension number
Indicates the selected extension number.

User's name
Indicates the extension user's name.

Coverage point
Used to select the type of coverage.

Answering position
Used to define the covering user:
- If option 1 was selected, the letters «PO» are automatically displayed.
- If option 2 was selected:
  - Enter the extension number.
- If option 3 was selected:
  - Enter the extension group number (G1 to G8).
- If option 4 was selected:
  - Enter the Voice Services group number (GV1 to GV8).

# Coverage path Extension-Active

Redirection takes place if the principal is active and not able to answer the call within the busy interval (See *ISDN-DID parameters*, page 9-10. or See *ISDN subaddressing*, page 9-19.).

```
         Coverage path Extension-Active
  ─────────────────────────────────────────
  Extension number...... : ...
  User's name .......... : ............

  Type of redirection ............ : .
       - Immediate          (1)
       - Delayed            (2)
       - Drop               (3)
  Coverage point ................ : .
       - Attendant          (1)
       - Extension          (2)
       - Extension group        (3)
       - Voice services group   (4)

  Answering position ............ : ...
       - Extension
       - Extension group     ( G1 to G8 )
       - Voice services group (GV1 to GV8)
```

For the «Extension number», «User's name», «Coverage point» and «Answering position» parameters, See *Coverage path Extension - Don't answer*, page 9-20.

Type of redirection
Used to select the type of redirection:
- Select option 1 to route the calls immediately to the covering user.
- Select option 2 to ring the principal during the busy interval and route the calls to the covering user on timeout.
- Select option 3 to inhibit redirection and drop the calls.

# Coverage path Extension group- Don't answer

Redirection takes place if the principal does not answer the call within the don't answer interval (See *ISDN-DID parameters*, page 9-10. or See *ISDN subaddressing*, page 9-19.).
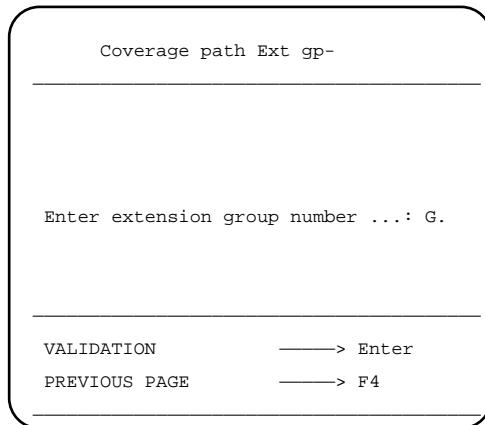
```
              Coverage path Ext gp-
_____




    Enter extension group number ...: G.


_____

  VALIDATION              ———> Enter

  PREVIOUS PAGE           ———> F4
_____
```

Extension group number
Used to select an extension group number for administration purposes.

```
   Coverage path Ext gp-Don't answer
 _____
 Group number ......... :  G.
 Name of group ........ : ............

 Coverage point ................ : .
        - Attendant           (1)
        - Extension           (2)
        - Extension group     (3)
        - Voice services group (4)


 Answering position ............ : ...
    - Extension
    - Extension group       ( G1 to G8 )
    - Voice services group ( GV1 to GV8 )
```

Group number
Indicates the selected group number.

Name of group
Indicates the name of the group.

Coverage point
Used to select the type of coverage.

Answering position
Used to define the covering user:
- If option 1 was selected, the letters «PO» are automatically displayed.
- If option 2 was selected:
  - Enter the extension number.
- If option 3 was selected:
  - Enter the extension group number (G1 to G8).
- If option 4 was selected:
  - Enter the Voice Services group number (GV1 to GV8).

# Coverage path Extension group-Active

Redirection takes place if the principal is active and not able to answer the call within the busy interval (See *ISDN-DID parameters*, page 9-10. or See *ISDN subaddressing*, page 9-19.).

```
    Coverage path Ext gp-Active
_____
Group number ......... :  G.
 Name of group ........ : ............

 Type of redirection ............ : .
         - Immediate          (1)
         - Delayed            (2)
         - Drop               (3)
 Coverage point ................ : .
      - Attendant          (1)
      - Extension          (2)
      - Extension group     (3)
      - Voice services group (4)

 Answering position ............ : ...
  - Extension
  - Extension group ( G1 to G8 )
  - Voice services group ( GV1 to GV8 )
```

For the «Group number», «Name of group», «Coverage point» and «Answering position» parameters, See *Coverage path Extension - Don't answer*, page 9-20.

Type of redirection
Used to select the type of redirection:
- Select option 1 to route the calls immediately to the covering user.
- Select option 2 to ring the principal during the busy interval and route the calls to the covering user on timeout.
- Select option 3 to inhibit redirection and drop the calls.

# *Outgoing call routing*

```
   Outgoing call routing
 _____

Outgoing trunk groups ............ 1
Outgoing assignments ............. 2
ARS tables ....................... 3
ARS parameters ................... 4




Select option :              .
```
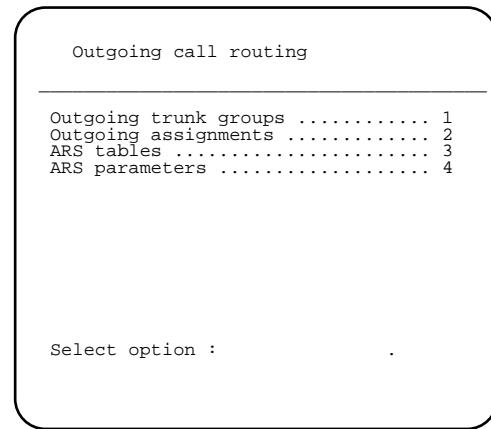
**Option 1:** See *Outgoing trunk groups*, page 9-27.

**Option 2 :** See *Outgoing assignments*, page 9-28.

**Option 3 :** See *ARS tables*, page 9-30.

       - ARS time-of-day charts, page 9-31.

       - ARS digit analysis tables, page 9-33.

       - ARS route pattern tables, page 9-34.

**Option 4 :** See *ARS parameters*, page 9-35.

**Routing**
*Outgoing call routing*
Outgoing trunk groups

# Outgoing trunk groups

Up to 10 outgoing trunk groups may be defined.

```
                    Trunk group   4.
   _____

    Administered members :


        ...     ...     ...     ...     ...
        ...     ...     ...     ...     ...
        ...     ...     ...     ...     ...
        ...     ...     ...     ...     ...
        ...     ...     ...     ...     ...
        ...     ...     ...     ...     ...
        ...     ...     ...     ...     ...


    Use Y/N, to add/remove a member

```
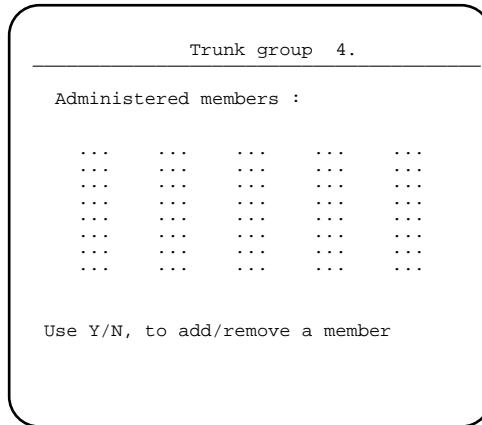
All the administered trunks appear on this screen.

<u>Administered members</u>
Used to indicate the administered members. Trunks belonging to the group are displayed in reverse video.

>    **Warning**: *Incoming only trunks should not belong to an outgoing trunk group.*

>    **Note**: *On start-up, all the trunks belong to trunk group 400.*

>    **Note**: *With regard to ISDN trunks (T2/PRI or T0/BRI), incoming only then two-way trunks with the lowest trunk numbers are used for incoming calls.*

>    **Note**: *A trunk may belong to several groups.*

# Outgoing assignments

```
                  Outgoing assignments
   _____



              Enter extension number : ...
```

Outgoing assignments are administered extension by extension.

```
    Outgoing assignment for extension ...
   _____

    Enter trunk or trunk group numbers
    in order of priority

     common access        selective access

      1 - ..                1 - ..
      2 - ..                2 - ..
      3 - ..                3 - ..
      4 - ..                4 - ..
      5 - ..                5 - ..
      6 - ..                6 - ..
      7 - ..                7 - ..
      8 - ..                8 - ..
      9 - ..                9 - ..
     10 - ..               10 - ..
```

Common access
Used to assign the trunks (410 to 449) or trunk groups (400 to 409) to the
selected extension in common outgoing access and define their order of prior-
ity. Outgoing trunks or trunk groups in common access can normally be seized
by dialing the feature access code 0 which activates the ARS feature.

*Note: Analog CO trunks are seized before ISDN trunks.*

*Note: On start-up, all the extensions have access to trunk group 400.*

Selective access

Used to assign the trunks (410 to 449) or trunk groups (400 to 409) to the selected extension in selective outgoing access. Outgoing trunks or trunk groups in selective access can be seized by dialing the feature access codes 400 to 409 and 410 to 449.

> *Note: If the extension is a data terminal, the «selective access» option is non accessible.*

# Automatic route selection (ARS)

ARS routes calls over the public network based on the preferred (normally the least expensive) route available at the time the call is placed.

## Definitions

Common access

ARS begins when the user dials the common access or ARS access code (normally the digit 0).

> *Note: Selective access does not activate the ARS feature.*

Time-of-day chart

Allows the system to select a digit analysis table according to the day and time the call is placed.

Digit analysis table

Allows the system to select a route pattern table according to the number dialed.

Route pattern table

Allows the system to:
- Select the trunk group to be used according to trunk availability.
- Delete or insert digits in the dialed number according to the trunk group that is to be used.

## Behaviour

1. When the user dials the ARS access code (normally the digit 0), the system selects a digit analysis table according to the day and time the call is placed.
2. The system compares the dialed number with entries in the ARS digit analysis table. When the system finds a dialed string entry in the table that matches the dialed number, the ARS digit analysis table maps the dialed number to a specific route pattern table. When there is no mapping, a default route pattern table is selected.
3. In the route pattern table, the system selects the preferred trunk group that can be used for the call among the available ones (a trunk group is available if at least one trunk in the group is available).
4. According to the trunk group that will be used, the system deals with the necessary digit manipulations (digit deletion & insertion in the dialed number) then routes the call.

# ARS tables

```
                     ARS tables
     _____

     ARS time-of-day charts ............ 1
     ARS digit analysis tables ......... 2
     ARS route pattern tables .......... 3




     Select option :                 .

```
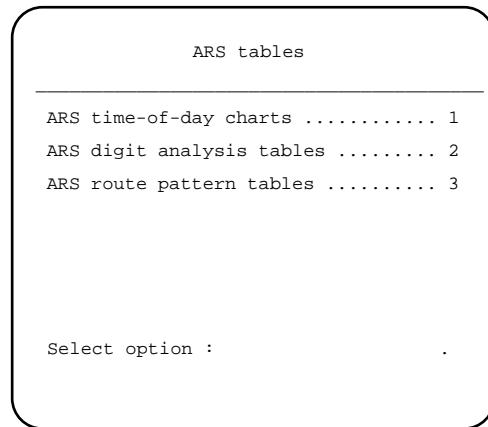
**Option 1:** See *ARS time-of-day charts*, page 9-31.
**Option 2 :** See *ARS digit analysis tables*, page 9-33.
**Option 3 :** See *ARS route pattern tables*, page 9-34.

**ARS time-of-day charts**

```
     ARS time-of-day charts
  _____

Monday ........................... 1
Tuesday .......................... 2
Wednesday ........................ 3
Thursday ......................... 4
Friday ........................... 5
Saturday ......................... 6
Sunday ........................... 7




Select option :              .
```

ARS time-of-day charts are administered on a week basis.

```
     ARS time-of-day chart :
            .........
  _____
Digit analysis table
nb . is active since   ......... ..h..
    Activation  Digit analysis
    Time        table  ( 1  -  . )
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
    ..h..          .
```

Each day may be divided in up to 12 time-segments. A time-segment is defined by indicating the opening time. A segment opening automatically defines the end of the previous one.

> **Example**: *A segment opening at 14h00 automatically defines the end of the previous segment at 13H59.*

Digit analysis table nb *x* is active since
Gives information on the active digit analysis table:
- Table number.
- Segment opening (day and time).

Activation time
Used to indicate the segment opening time.

Digit analysis table
Used to indicate the digit analysis table used during the specified segment.

### ARS digit analysis tables

Up to 6 ARS digit analysis tables may be defined.

```
     ARS digit analysis table      ..
  _____

  If the dialed number doesn't belong
  to the digit analysis table,

  the route pattern table is : ...... ..
  (1-..)
  with a minimum equal to         : ..
  and  a maximum equal to         : ..




```
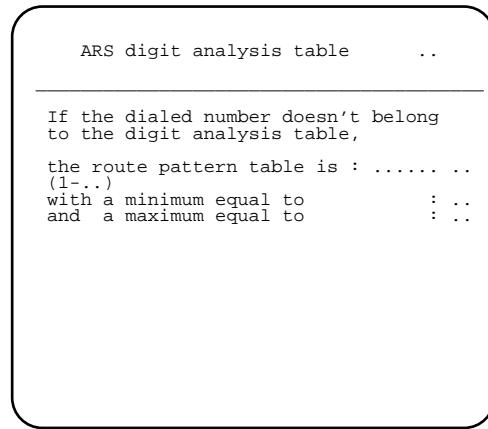
Used to define the default route pattern table that will be used when there is no mapping between the dialed number and the table entries.

```
     ARS digit analysis table      ..
  _____

  Dialed number            Route  Min Max
                           pattern
                            table
                            (1-..)

  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..
  .......................   ..     .. ..


```
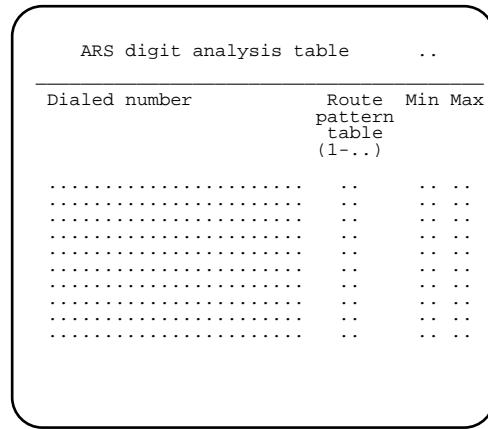
An ARS digit analysis table may contain up to 30 entries.

Dialed number
Used to define the table entries.

Route pattern table
Used to indicate the number of the route pattern table to be used.

Minimum
Used to define the minimum number of digits to be dialed to place a call.
• Dialing is regarded as complete as soon as the minimum number of digits has been reached.
• Dialing is regarded as incomplete as long as the minimum number of digits has not been reached .

Maximum
Used to define the maximum number of digits to be dialed to place a call.
• Dialing is regarded as complete as soon as the maximum number of digits has been reached.

## ARS route pattern tables

Up to 15 ARS route pattern tables may be defined.

```
        ARS route pattern table  ..
  _____

  TG DEL           INS         CPN COM

  .  ..  ......................  .  ....
  .  ..  ......................  .  ....
  .  ..  ......................  .  ....
  .  ..  ......................  .  ....
  .  ..  ......................  .  ....
  TG : Trunk group
  DEL: Nb of digits to be deleted
  INS: Inserted digits
  CPN: 0->none; 1-> DID nb; 2->Ext nb
  COM: Comments
```

An ARS route pattern table may contain up to 5 entries. Entries are entered in order of preference.

Trunk group
Used to define the trunk group to be used.

Number of digits to be deleted
Used to indicate the number of digits to be deleted in the number which has been dialed.

Inserted digits
Used to indicate the digits/characters to be inserted in the number which has been dialed. They may be:
• Digits from 0 to 9 or characters such as "*" or "#".
• "-" to insert a pause with administrable length. See *ARS parameters*, page 9-35.

- "+" to wait for connection with administrable length. See *ARS parameters*, page 9-35.
- "/" to wait for tone detection with administrable length. See *ARS parameters*, page 9-35.

Calling party number (CPN)

Used to indicate how the caller will be identified by the called party (See *Calling party number*, page 9-16.):

- Option 0: no identification.
- Option 1: DID number.
- Option 2: extension number.

Comments

Used to add comments (such as the carrier's name, for instance).

# ARS parameters

```
              ARS parameters
 _____

 Wait for connection (0 to 99s) : ..s
 Pause (0 to 99s) ............. : ..s
 Short inter-digit timer ...... : ..s
 (0 to 99s)
 Long inter-digit timer ....... : ..s
 (0 to 99s)
 Tone Detection................ : ..s
 (0 to 99s)
 Select option for digit indicating the
 end of dialing ............... : .
 (*: 1, #: 2, * and #:3, none:4)
```
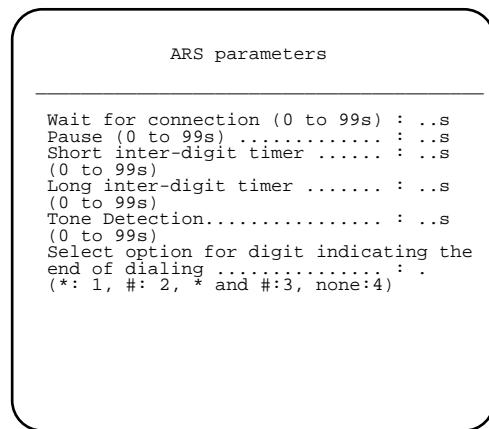
Wait for connection

Used to define the number of seconds that must elapse before the network sends a 'connection' message. If no message is received when the timer expires, the system goes on with the dialing process.

Pause

Used to define the pause length.

<u>Short inter-digit timer</u>
Used to define the number of seconds that must elapse between each digit dialed.
• This timer is active as long as the minimum number of digits has not been reached. See *ARS digit analysis tables*, page 9-33.
• Dialing is regarded as incomplete when this timer expires, and the calling party receives the busy tone.

<u>Long inter-digit timer</u>
Used to define the number of seconds that must elapse between each digit dialed.
• This timer is active as soon as the minimum number of digits has been reached. See *ARS digit analysis tables*, page 9-33.
• Dialing is regarded as complete when this timer expires or when the maximum number of digits is reached.

<u>Tone detection</u>
Used to define the number of seconds that must elapse before the network sends dial tone. If no dial tone is received when the timer expires, the system goes on with the dialing process.

<u>Select option for a digit indicating the end of dialing</u>
Used to define the digit(s) which let the system know that dialing is complete.To override the timer for faster call processing, the calling paty may dial this digit to indicate end of dialing.

# 10 Restriction

∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙ ∙

```
                    Restriction
        _____


      Administer classes (COR) ........ 1
      Administer time-of-day plans .... 2




      Select option :                    .

```
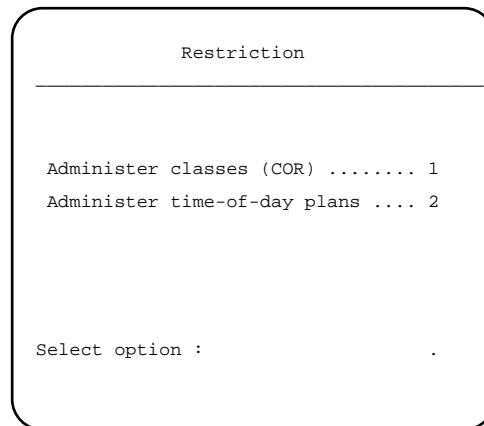
**Option 1:** See *Administer classes (COR)*, page 10-2.
- Emergency call list, page 10-2.
- Classes of restriction (CORs), page 10-3.

**Option 2 :** See *Administer time of day plans*, page 10-5.

# *Administer classes (COR)*

```
            Administer classes (COR)
_____
_
 Enter class number .......... : ..

 or,

 enter  "E",
 to display the emergency call list

 12 classes are available

 Each extension is assigned a COR :
  - restricted call lists (from 0 to 9)
  - no restriction        (10)
  - outward restriction    (11)


_____
_
 VALIDATION              ———> Enter
```

## Emergency call list

```
            Emergency call list


_____
_
                    ....
                    ....
                    ....
                    ....
                    ....
                    ....
                    ....
                    ....
                    ....
                    ....

_____
_
 NEXT LINE            ———> Down
 PREVIOUS LINE        ———> Up
 PREVIOUS PAGE        ———> F4
```

Emergency number
Used to administer up to ten 4-digit emergency numbers.

**Operating hints:**

To enable an extension to access to the emergency call list, it must be assigned an administrable COR which contains at least one emergency number in its unrestricted call list.

# Classes of restriction (CORs)

Up to twelve classes of restriction are available. Two of them are preset and the other ten are administrable:
- from 0 to 9: restricted call lists
- 10: no restriction
- 11: outward restriction.

## Administering a class

```
                     COR    .
  _____
  Restricted ...... Unrestricted ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
             ......              ......
```

Restricted
Used to deny the access to up to fifteen 6-digit area codes.

Unrestricted
Used to allow the access to up to fifteen 6-digit area codes.

## Operating hints:

CORs may be administered in three different ways:
- Restriction without exception
- Restriction with exceptions
- Unrestriction

• • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •

Restriction without exception:
Use the restricted call list to deny the access to some areas.

*For instance: Deny international calls.*

Restriction with exceptions:
Use both lists to allow for exceptions.

*For instance: Deny international calls but allow calls to a specific country.*

Unrestriction:
Use the unrestricted call list to allow the access to some areas.

*For instance: Allow local calls.*

# Administer time of day plans

Extensions may be assigned a different COR according to day (working hours) and night (non working-hours).

Night/Day restriction is activated:
- manually by dialing the appropriate feature access code at the attendant console
- automatically according to one of the three time-of-day plans.

An extension is assigned (See *Administer an extension*, page 6-3.) :
- a day COR
- a night COR
- a time-of-day plan.

The 3 time-of-day plans are used to define when the night restriction will be activated.

```
   Restriction . time-of-day plan
 ─────────────────────────────────────────

 Enter day schedule :

           start   stop    start   stop
 MONDAY  : 07:00   12:30   13:00   19:00
 TUESDAY : 07:00   12:30   13:00   19:00
 WEDNES. : 07:00   12:30   13:00   19:00
 THURSDAY: 07:00   12:30   13:00   19:00
 FRIDAY  : 07:00   12:30   13:00   19:00
 SATURDAY: 07:00   12:30   13:00   19:00
 SUNDAY  : 07:00   12:30   13:00   19:00



 ─────────────────────────────────────────
 NEXT LINE         ──────> Shift Down
 PREVIOUS LINE     ──────> Shift Up
```

*Note*: *The time-of-day plans are initially pre-programmed as follows:*
 - *Time-of-day plan 1: from 07.00 to 12.00 and from 12.00 to 19.00*
 - *Time-of-day plan 2: from 07.00 to 12.30 and from 13.00 to 19.00*
 - *Time-of-day plan 3: from 08.00 to 12.00 and from 14.00 to 18.00*

Start
Used to define when day restriction is activated.

Stop
Used to define when day restriction is deactivated.

**Table 9 : Example of a time-of-day plan with two non-working days**

|  | Start | Stop | Start | Stop |
|---|---|---|---|---|
| Monday | 08:00 | 12:00 | 14:00 | 18:00 |
| Tuesday | 08:00 | 12:00 | 14:00 | 18:00 |
| Wednesday | 08:00 | 12:00 | 14:00 | 18:00 |
| Thursday | 08:00 | 12:00 | 14:00 | 18:00 |
| Friday | 08:00 | 12:00 | 14:00 | 18:00 |
| Saturday | ..:.. | ..:.. | ..:.. | ..:.. |
| Sunday | ..:.. | ..:.. | ..:.. | ..:.. |

# 11 Miscellaneous

. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

```
                    Miscellaneous
    _____


    Change login password ............. 1
    Delete system administration ...... 2
    Administer timers ................. 3
    Configure VEGA DSS ............... 4
    Configure SOLARIS DSS ............ 5
    Remove an extension .............. 6
    Remove a trunk ................... 7
    Event report ..................... 8




    Select option :                       .
```
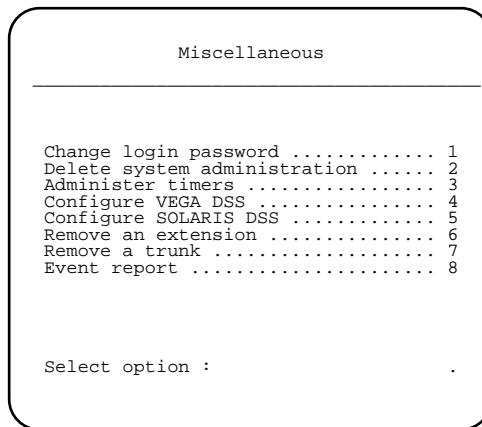
**Option 1:** See *Change login password*, page 11-2.

**Option 2 :** See *Delete system administration*, page 11-3.
- Delete all personal AD numbers, page 11-4.
- Delete all the outgoing assignments, page 11-4.
- Delete all the extension assignments, page 11-5.
- Delete all the trunk assignments, page 11-6.
- Delete a trunk group, page 11-6.
- Re-initialize an extension, page 11-7.
- Re-initialize the system, page 11-7.

**Option 3 :** See *Administer system wide timers*, page 11-8.

**Option 4 :** See *Configure VEGA DSS*, page 11-9.

**Option 5 :** See *Configure SOLARIS DSS*, page 11-10.

**Option 6 :** See *Remove an extension*, page 11-11.

**Option 7 :** See *Remove a trunk*, page 11-12.

**Option 8 :** See *Event report*, page 11-13.
- Event report criteria, page 11-14.
- Real-time event report, page 11-15.
- Event report scheduled output, page 11-16.

# 11

# *Change login password*

**1.** Enter your current login password.

**2.** Enter your new login password.

```
        Change login password
_____
_

Current login password ...: .




_____
_

 VALIDATION              ——————> Enter

 PREVIOUS PAGE           ——————> F4
```

**3.** Re-enter your new login password to confirm and then validate.

After changing the login password, only the new password will be valid for the next connection to the minitel local server.

To change the end-user's login password «E . . . .», follow the same procedure.

> *Warning: Remember to keep this new password in a safe place. Should you lose or misplace it, you will no longer be able to administer your system and will, therefore, have to re-initialize it.*

# *Delete system administration*

```
          Delete system administration
_____


   Delete all personal AD numbers ... 1
   Delete all outgoing assignments .. 2
   Delete all extension assignments . 3
   Delete all trunk assignments ..... 4
   Delete a trunk group ............. 5
   Re-initialize an extension ....... 6
   Re-initialize the system ......... 7




 Select option :                       .

```
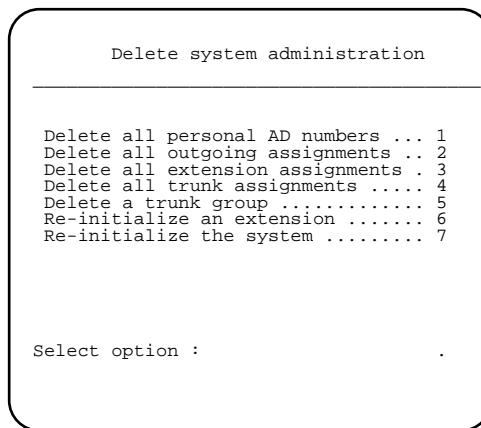
**Option 1:** See *Delete all personal AD numbers*, page 11-4.

**Option 2 :** See *Delete all the outgoing assignments*, page 11-4.

**Option 3 :** See *Delete all the extension assignments*, page 11-5.

**Option 4 :** See *Delete all the trunk assignments*, page 11-6.

**Option 5 :** See *Remove a trunk*, page 11-12.

**Option 6 :** See *Re-initialize an extension*, page 11-7.

**Option 7 :** See *Re-initialize the system*, page 11-7.

**11** **Miscellaneous**
*Delete system administration*
Delete all personal AD numbers

• • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • • •

# Delete all personal AD numbers

```
┌─────────────────────────────────────────┐
│                                           │
│      Delete all personal AD numbers      │
│   _____ │
│   _                                       │
│                                           │
│                                           │
│    Do you want to delete all AD numbers ? │
│     (Y/N) : .                             │
│                                           │
│                                           │
│                                           │
│                                           │
│   _____ │
│   _                                       │
│                                           │
│   VALIDATION          ───────> Enter      │
│                                           │
│   PREVIOUS PAGE       ───────> F4         │
└─────────────────────────────────────────┘
```

Delete all personal AD numbers
Used to delete the personal AD numbers for all the dedicated terminals.

# Delete all the outgoing assignments

```
┌─────────────────────────────────────────┐
│                                           │
│   Delete all the outgoing routing patterns│
│   _____ │
│                                           │
│    Do you want to delete outgoing         │
│    destinations for :                     │
│       - all the ISDN extensions ...... 1  │
│       - all the telephone extensions . 2  │
│       - all the extensions ........... 3  │
│                                           │
│                                           │
│                                           │
│    Select option :                   .    │
│                                           │
│                                           │
└─────────────────────────────────────────┘
```
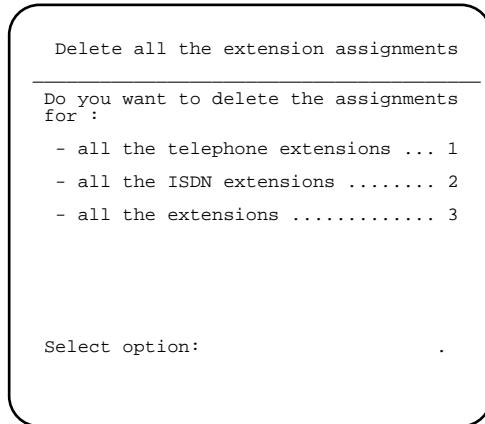
Delete all the outgoing assignments
Used to delete the following outgoing assignments:
**1.** S0 ISDN data extensions only
**2.** telephone extensions only
**3.** all the extensions (both S0 ISDN data and telephone extensions).

# Delete all the extension assignments

```
   Delete all the extension assignments
  _____

 Do you want to delete the assignments
 for :

  - all the telephone extensions ... 1

  - all the ISDN extensions ........ 2

  - all the extensions ............. 3




 Select option:                     .

```

Delete all the extension assignments

Used to delete the following extension assignments:

**1.** telephone extensions only

**2.** S0 ISDN data extensions only

**3.** all the extensions (both S0 ISDN data and telephone extensions).

> **Note**: This operation applies to idle extensions only.

> **Note**: When this operation is completed, extension administration returns to the original «factory-set» configuration .

# 11

**Miscellaneous**
*Delete system administration*
Delete all the trunk assignments

## Delete all the trunk assignments

```
      Delete all the trunk assignments
  _____


  Do you want to delete the assignments
  for :
    - all analog CO trunks ........ 1
    - all ISDN-BRIs .............. 2
    - all ISDN-PRIs .............. 3



  Select option :                   .

```

<u>Delete all trunk assignments</u>
Used to delete the following trunk assignments:
**1.** analog CO trunks
**2.** ISDN-BRIs (T0)
**3.** ISDN-PRIs (T2)

## Delete a trunk group

```
          Delete a trunk group
  _____
  _



        Enter group number : ..



  _____
  _

  VALIDATION            ———> Enter

  PREVIOUS PAGE         ———> F4
```
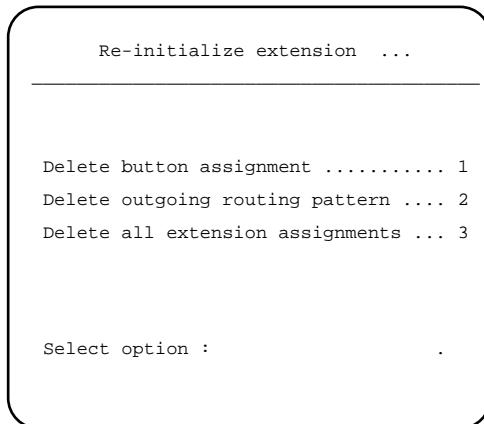
<u>Delete a trunk group</u>
Used to delete a trunk group assignment.

*Note: Trunk group numbers are included between 01 and 16.*

**Miscellaneous**
*Delete system administration*
Re-initialize an extension

## Re-initialize an extension

```
       Re-initialize extension  ...
_____


 Delete button assignment ........... 1
 Delete outgoing routing pattern .... 2
 Delete all extension assignments ... 3




 Select option :                    .
```

Re-initialize extension
Used to delete the following extension assignments:
**1.** button assignments only
**2.** outgoing routing pattern only
**3.** all extension assignments.

## Re-initialize the system

```
       Re-initialize the system
_____
_


 Delete system configuration
 and restart the system ........... 1
 Restart the system only ......... 2



_____
_
 Select option :                    .
 VALIDATION            ———> Enter
```
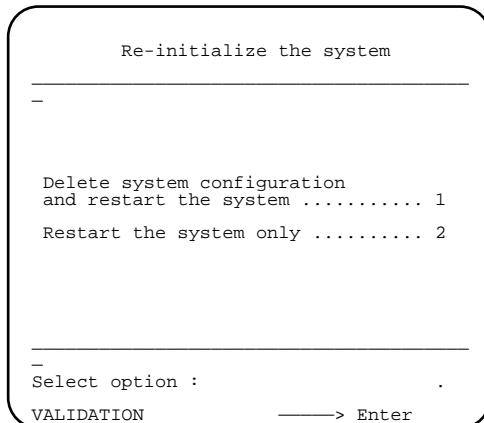
Re-initialize the system
**1.** Used to delete the entire system configuration except the alphabetical AD.
**2.** Used to restart the system only.

**11**

**Miscellaneous**
*Administer system wide timers*
Re-initialize the system

# *Administer system wide timers*

```
        Administer system wide timers

Flashhook interval (in ms)
 lower bound ( 50 ms ) ...... : ... ms
 upper bound ( 900 ms ) ..... : ... ms
Host PBX-Flash length (in ms) : ... ms

Call forward timer value .... :  .. s
( 1 to 40 s)
Intrusion timer value ........ : .. s
( 1 to 30 s)
Exclusive hold timer value ... :... s
(20 to 240 s)
Call park timer value ....... : ... s
(20 to 240 s)
Call transfer timer value .... : .. s
(20 to 40 s)
```
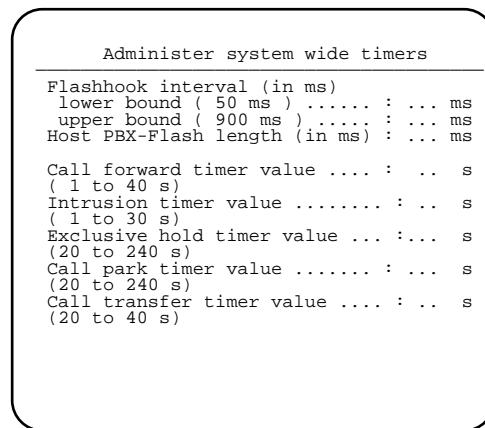
Flashhook interval
Used to define the lower and upper bounds of the flash duration accepted by
the system (recall signaling) and transmitted by a touch-tone dialing analog sta-
tion before dialing a feature code.

> **Note** : The flashhook interval transmitted by an analog station can vary from model to model.

Host PBX-Flash length
Used to define the length of the flash signal (recall signaling) to be generated by
the system toward the network (Central Office). This value is included between
90 and 999 ms.

Call forward timer value
Used to define the number of seconds that must elapse before a forwarded call,
remaining unanswered, returns to the requested extension.

Intrusion timer value
Used to define the time an intrusion may last.

Exclusive hold timer value
Used to define the time a call may stay on hold when an exclusive hold is car-
ried out.

Call park timer value
Used to define the time a call may stay on hold when a call park is carried out.

Call transfer timer value
Used to define the number of seconds that must elapse before a transferred
call, remaining unanswered, rings the call coverage answer group and the
attendant console(s).

# Configure VEGA DSS

The system supports up to three VEGA terminals equipped with DSS. Three basic VEGA DSS configurations are available.

```
        Configuration .   Vega DSS
    ────────────────────────────────────  p 1/4
    1 :                    : ...
    2 :                    : ...
    3 :                    : ...
    4 :                    : ...
    5 :                    : ...
    6 :                    : ...
    7 :                    : ...
    8 :                    : ...
    9 :                    : ...
   10 :                    : ...
   11 :                    : ...
   12 :                    : ...
   13 :                    : ...
   14 :                    : ...
   15 :                    : ...
   16 :                    : ...
   ────────────────────────────────────
   Extension with this DSS configuration
   .
   ────────────────────────────────────
    HELP                  ──────> F2
```

**Note**: *VEGA DSS configurations cannot be modified by minitel. They may only be modified at a terminal equipped with a DSS.*

- To display the next 16 buttons, press Enter
- To display the previous 16 buttons, press F4

**Table 10 : VEGA DSS configuration table**

| Configuration number | Extensions | | Trunks | | AD numbers | |
|---|---|---|---|---|---|---|
| | Quantity | Number | Quantity | Number | Quantity | Number |
| 1 | 48 | 300 to 347 | 16 | 410 to 425 | 0 | - |
| 2 | 0 | - | 0 | - | 64 | 8200 to 8263 |
| 3 | 54 | 300 to 353 | 10 call appearances | | | |

# Configure SOLARIS DSS

The system supports up to nine SOLARIS terminals equipped with DSS. Nine basic Solaris DSS configurations are available.

```
        Configuration .  Solaris DSS
 ───────────────────────────────────── p 2/6
 . 1 . 13  |13 :                    : ...
 . 2 . 14  |14 :                    : ...
 . 3 . 15  |15 :                    : ...
 . 4 . 16  |16 :                    : ...
 . 5 . 17  |17 :                    : ...
 . 6 . 18  |18 :                    : ...
 . 7 . 19  |19 :                    : ...
 . 8 . 20  |20 :                    : ...
 . 9 . 21  |21 :                    : ...
 .10 . 22  |22 :                    : ...
 .11 . 23  |23 :                    : ...
 .12 . 24  |24 :                    : ...
 ─────────────────────────────────────────
 Extension with this DSS configuration :
 .
 .
 HELP                       ———> F2
```
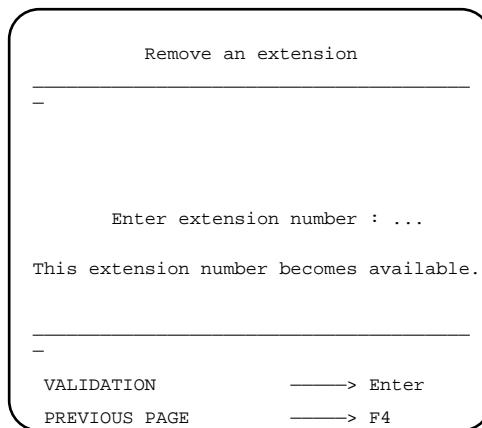
- To display the next 12 buttons, press Enter.
- To display the previous 12 buttons without validating the current configuration, press F4.
- To display the next line, press Down.
- To display the previous line, press Up.

**Table 11 : Solaris DSS configuration table**

| Configuration number | | Extensions | | Trunks | | AD numbers | |
|---|---|---|---|---|---|---|---|
| | | Quantity | Number | Quantity | Number | Quantity | Number |
| 1-2 | Sol. DSS 1 | 8 | 300 to 307 | 16 | 410 to 4256 | 0 | - |
| | Sol. DSS 2 | 24 | 308 to 331 | 0 | - | 0 | - |
| | Sol. DSS 3 | 24 | 332 to 355 | 0 | - | 0 | - |
| 3 | Sol. DSS 1 | 14 | 300 to 313 | 10 call appearances | | | |
| | Sol. DSS 2 | 24 | 314 to 337 | | | | |
| | Sol. DSS 3 | 24 | 338 to 361 | | | | |
| 4-5-6 | Sol. DSS 1 | 24 | 300 to 323 | 0 | - | 0 | - |
| | Sol. DSS 2 | 24 | 324 to 347 | 0 | - | 0 | - |
| | Sol. DSS 3 | 24 | 348 to 371 | 0 | - | 0 | - |
| 7-8 | Sol. DSS 1 | 16 | 300 to 315 | 8 | 410 to 417 | 0 | - |
| | Sol. DSS 2 | 24 | 316 to 339 | 0 | - | 0 | - |
| | Sol. DSS 3 | 0 | - | 0 | - | 24 | 200 to 223 |
| 9 | Sol. DSS 1 | 0 | - | 0 | - | 24 | 200 to 223 |
| | Sol. DSS 2 | 0 | - | 0 | - | 24 | 224 to 247 |
| | Sol. DSS 3 | 0 | - | 0 | - | 24 | 248 to 271 |

***Note:*** *Solaris DSS are numbered 1 to 3 from left to right.*

# *Remove an extension*

```
            Remove an extension
_____
_




        Enter extension number : ...

This extension number becomes available.


_____
_

 VALIDATION            ———> Enter
 PREVIOUS PAGE         ———> F4
```
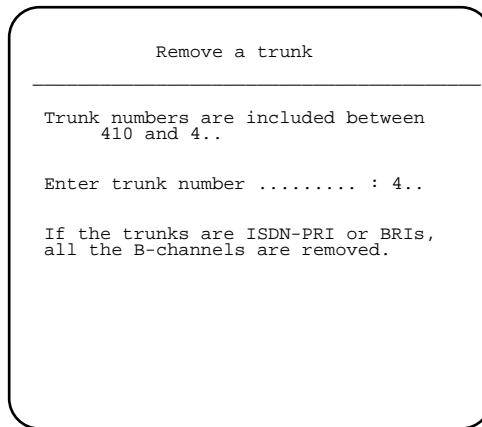
Remove an extension
Used to remove an extension so that the system will no longer recognize it at
all.

> **Note**: *An extension can only be removed*
> • *if the appropriate line board has been removed when alive,*
> • *if the extension (dedicated, digital or S0 ISDN extension) has been disconnected.*

**11**

**Miscellaneous**
*Remove a trunk*
Re-initialize the system

# *Remove a trunk*

```
                Remove a trunk
    _____

     Trunk numbers are included between
          410 and 4..

     Enter trunk number ........ : 4..

     If the trunks are ISDN-PRI or BRIs,
     all the B-channels are removed.
```

Remove a trunk
Used to remove a trunk so that the system will no longer recognize it at all.

> **Note**: *A trunk can only be removed if the appropriate trunk board has been removed when alive.*

# *Event report*

```
              Event report
   _____
  _

   Date of start    : ../../.. ..h..m..

   Event report criteria ............ 1

   Real-time event report............ 2

   Event report scheduled ouput....... 3

   _____
  _
   Select option :                    .
   VALIDATION           ——––> Enter
```

<u>Date of start</u>
Supplied by the system, it is the date of the last system start-up.

> *Important: The following parameters are intended for the system installer and manufacturer.*

**Option 1:** See *Event report criteria*, page 11-14.

**Option 2 :** See *Real-time event report*, page 11-15.

**Option 3 :** See *Event report scheduled output*, page 11-16.

# Event report criteria

```
         Event report criteria
_____
_

Name of calling thread ....

  Type            save        diplay

 NON-BLOCKING       .           .
 BLOCKING           .           .
 OS                 .           .
 LIMIT              .           .
 EXPERT             .           .


 Use Y/N, to activate or deactivate
 a criterion.
_____
_
VALIDATION              ———> Enter
```

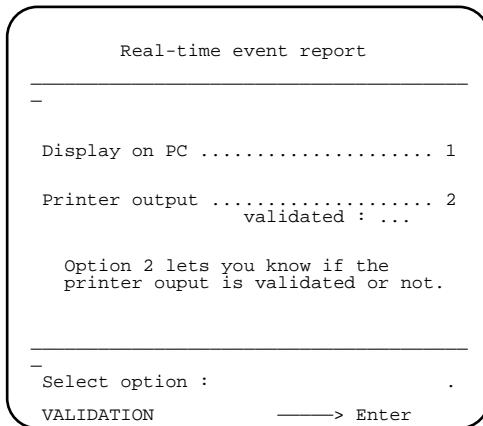Name of calling thread

Enter 0 to 4 characters.

* = indiscriminate character.

For instance: f* gives the event report for all the calls with a name of calling thread beginning with f.
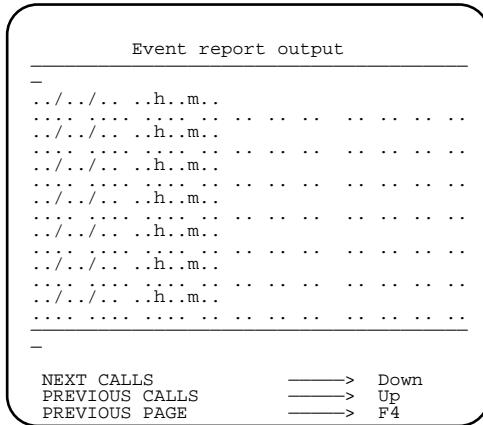
Type

save

display

# Real-time event report

```
           Real-time event report
     _____
     _

      Display on PC ..................... 1

      Printer output .................... 2
                      validated : ...

        Option 2 lets you know if the
        printer ouput is validated or not.


     _____
     _
      Select option :                   .
     VALIDATION          ———> Enter
```

Data is displayed in scroll mode on the full screen.

```
           Event report output
     _____
     _
     ../../.. ..h..m..
     .... .... .... .. .. .. ..  .. .. .. ..
     ../../.. ..h..m..
     .... .... .... .. .. .. ..  .. .. .. ..
     ../../.. ..h..m..
     .... .... .... .. .. .. ..  .. .. .. ..
     ../../.. ..h..m..
     .... .... .... .. .. .. ..  .. .. .. ..
     ../../.. ..h..m..
     .... .... .... .. .. .. ..  .. .. .. ..
     ../../.. ..h..m..
     .... .... .... .. .. .. ..  .. .. .. ..
     _____
     _
      NEXT CALLS           ———>  Down
      PREVIOUS CALLS       ———>  Up
      PREVIOUS PAGE        ———>  F4
```

The event report output is displayed on successive pages. Use Down or Up to move from one page to another.

# Event report scheduled output

```
        Event report scheduled output
  _____
  _

  Display on PC ..................... 1

  Printer output .................... 2




  _____
  _
   Select option :                    .
  VALIDATION            ———> Enter
```

```
          Event report output
  _____
  _
  ../../.. ..h..m..
  ...: .... .:..: .. .. .. ..  .. .. .. ..
  ../../.. ..h..m..
  ...: .... .:..: .. .. .. ..  .. .. .. ..
  ../../.. ..h..m..
  ...: .... .:..: .. .. .. ..  .. .. .. ..
  ../../.. ..h..m..
  ...: .... .:..: .. .. .. ..  .. .. .. ..
  ../../.. ..h..m..
  ...: .... .:..: .. .. .. ..  .. .. .. ..
  ../../.. ..h..m..
  ...: .... .:..: .. .. .. ..  .. .. .. ..
  ../../.. ..h..m..
  .... .... .... .. .. .. ..  .. .. .. ..
  _____
  _
  NEXT CALLS            ———>  Down
  PREVIOUS CALLS        ———>  Up
  PREVIOUS PAGE         ———>  F4
```

# 12 International requirements

## *United Kingdom*

## Analog CO-trunks

### Analog CO-trunk board

The DC signaling mode on CO trunks is "loop calling - unguarded clearing".

### Power failure transfer board

It is a regulatory requirement that under powerfailure conditions, a proportion of analog CO-trunks must continue to have access to the Public Telephone Network.

In the UK, the power failure transfer board is **mandatory** in a system equipped with analog CO-trunk board(s).

### Call charge detector board

In the UK, the 50 Hz call charge detector board should not be used.

## Restriction

It is a regulatory requirement that all the extensions within a system must have emergency access.

In the UK, the class of restriction 11 should not be used.

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. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .

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